VEOLIA
WATER

Sept 8, 2014

Ronald Merancy, Chairman
Water Pollution Control Authority
Borough of Naugatuck
229 Church Street
Naugatuck, CT 06770

Re: **September 2014 Monthly Operating Report**

Dear Mr. Merancy:

Enclosed please find Veolia Water's Monthly Operating Report for the month of September 2014.

Please contact me at the address below if you have any questions about this report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager
Veolia Water Naugatuck

cc: WPCA members: Rimas Balsys, Catherine Aresta, Pat Mallane, Jeffrey Hanson, James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck, Kathleen Luvisi, Senior Environmental Engineer, Alternative Resources, Inc.

(enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

Borough of Naugatuck
Monthly WPCF Report August 2014

This report summarizes the activities at the Borough POTW for August 2014:

1. **Highlights and Significant Issues:** Please refer to the report.
2. **Collection System Update:**

Please see attached Collections Report.

3. **Plant Performance Summary:**

Please see the attached reports and graphs for additional performance details.

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	255
Effluent Avg.	30	5
Removal Efficiency	85%	98%
Plant Process Data*	**Limit**	**Actual**
Carbonaceous BOD		
Influent Avg.	-	152
Effluent Avg.	30	4
Removal Efficiency	85%	97%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
July			0.041	
Aug Flow Avg. (MGD)	3.4	*	0.036	N/A
Sludge Liquid Total (MGal)				3195.3
Sludge Cake Total (Wet Tons)				4855.1
Septage Total (MGal)	42,870	42,000	177,750	647,300

Discharge Permit Exceedance: None

- *Unavailable at time of report*

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	0	6
Unconfirmed Odor Complaints	1	1

1. **Compliance & Regulatory Issues**
   a. There were no recorded Odor Complaints for August 2014 related to the WWTP. An odor complaint was received from a resident near the Naugatuck/Oxford line. Oxford has odor issues on the truck line that feeds the Naugatuck interceptor. That odor complaint will not be counted as staff clearly documented the odor was coming from the Oxford sewer. We have offered to assist Oxford with their odor issue.
2. **Personnel**
   a. No report
3. **.Health & Safety**
   a. Monthly safety meetings were held. Annual Fire Extinguisher training was provided to the staff.
   b. Jackie Miller, Thermal Fluid Consultant provided training to the staff on the new hot oil cooler and safety procedures.
   c. The Collections Staff and Asst PM attended a railroad safety class presented by Metro North personnel.

Borough of Naugatuck
Monthly WPCF Report January 2013

4. Operational Information

- **a.** The Piller aeration blowers require an external cooler when ambient temperatures exceed ~95F.
- **b.** The incinerator was briefly shutdown in August to manually remove a buildup of ash in the exhaust duct and heat exchanger inlet.
- **c.** The submersible mixers in aeration anoxic zone 4A were replaced.
- **d.** New CEMM software was installed (under the service contract).
- **e.** Roof repairs (~$50k) to the sludge storage dome have been scheduled.
- **f.** Work continues on the sludge billing/tracking program. The program is expected to be operational in a few months. Currently, the system is being tested.

5. Collections

- **a.** On Aug 5, 2014, there was partial collection blockage (requiring bypass pumping 24 hrs. /day for several days) near manhole 7-4 in the Water Street area of Naugatuck. The repair was complicated as the sewer runs between a Metro North railroad line and the Naugatuck River. Any work performed near a live track requires a Metro North flagman be present. The CCTV, Close Circuit Television, (lines had to be run under the live tracks) revealed rocks, wood, asphalt and similar material suggesting vandalism. On Saturday, Aug 9, the Collections crew was able to break through a portion of the blockage. The bypass pumps were removed from the area once full flow was restored; there were some rocks that remained in the 20-inch sewer. In late August and early September, subsequent CCTV and additional jetting (to pull back the rocks) confirmed the rocks have been removed. This incident based upon the amount and type of debris found in the sewer (sticks, broom handles, a beach ball, a piece of asphalt, a missing manhole cover, graffiti and loose retaining nuts on the manhole suspected as the entry point for the debris) will treated as an act of vandalism. Another CCTV inspection after the rocks were removed confirmed there are no breaks in the sewer. The only way the debris could enter that sewer was through an act of vandalism. The Naugatuck Police have investigated this incident. The cost of this project including Metro North flagman is estimated at $50,000 to $60,000. A complete breakdown of all costs is being prepared.
- **b.** Work continues with the flowmeter issue on the Platts Mill pump station. Sodium hydroxide (caustic) was used to dissolve suspected grease in the Platts Mill pump station discharge piping.
- **c.** There is an issue with drain piping on the Naugatuck golf course that is tied into the sanitary sewer system. CCTV of the drains confirmed that one drain is tied into the sanitary sewer system.

6. Maintenance

- **a.** The hot oil cooler and piping installation is complete.
- **b.** Mixers will be installed in the anoxic zones of the aeration tanks.
- **c.** The internal recycle pump for aeration tank #6 was changed (repair cost is ~$23k)

7. Capital Projects

- **a.** The hot oil cooler project is 95% complete. Insulation of the piping is in progress. One additional support is required and is currently under fabrication.

Borough of Naugatuck
Collections Systems Report
August 2014

VEOLIA WATER

	Calls for Service
1	8/22 Guntown Road Odor Complaint
2	8/21 Beacon Brook Odor Complaint
3	
4	
5	
6	

This Month	Year to Date
2	3

	Calls Caused By Collection System
1	none
2	
3	
4	

Reason

Video Inspections

	Street Name	Type	Footage
1	New Street 8/20	cctv	25
2	Hop Brook Stream [mcvac] 8/20	cctv	600
3	Hop Brook inflow camera work 8/26	cctv	100
4	Union city Road 8/29	cctv	200
5		cctv	

This Month		Year to Date	
925	Feet	2480	Feet

	High Velocity Cleaning		
	Street Name	Date	Footage
1	Water Street easement mh7-10up/down stream	5-Aug	200
2	Neagle Street 2-275 to 3-50	7-Aug	350
3	Simsberry Street 11-58A to 11-16	7-Aug	110
4	Simsberry Street 11-58A to 11-58	7-Aug	240
5	Simsberry Street 11-58 to 11-57	7-Aug	210
6	Windsor Place 11-57 to end of line	7-Aug	260
7	Simsberry 11-57 to 11-50	11-Aug	300
8	Cadbury street no mh #s	11-Aug	200
9	Cadbury street no mh #s	11-Aug	150
10	Cadbury street no mh #s	11-Aug	125
11	Cadbury street no mh #s	11-Aug	125
12	may Street 8-33b to 8-31	12-Aug	1100
13	Rado Drive 4-33 to 4-15	14-Aug	1380
14	Brookside 9-131 to 9-132	27-Aug	400
15	Brookside 9-132 to 9-133	27-Aug	300
16	Brookside 9-135 to 9-131	27-Aug	130
17	North Circle 9-134 to 9-132	27-Aug	180
18	South Circle 9-130to 9-131	27-Aug	150
19	Ann Street 12-23 to 12-22	27-Aug	100
20	Charles Court 12-25 to 12-19	27-Aug	110
21	Charles Court 12-3 to 12-19	27-Aug	125
22	Charles street 12-22 to 12-21	27-Aug	85
23	Charles Street 12-21 to 12-20	27-Aug	240
24	Charles Street 12-20 to 12-19	27-Aug	205
25	Elm Street 10-209 to 10-211	27-Aug	380
26	Elm Street siphone 9-31 to 9-32	27-Aug	75
27	Cherry Street siphone 931 to 9-31a	27-Aug	500
28	Melborne Court 9-137 to 9-136	28-Aug	225
29	Melborne Court 9-140 to 9-136	28-Aug	215
30	South Circle easement 9-129 to 9-128	28-Aug	450
31	Sharen Ave 12-11 to 12-11a	28-Aug	350
32	Sharen Ave 12-11 to 9-221	28-Aug	300
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			

6 month list

Call for service

This Month	
9270	Feet

Year to Date	
25428	Feet

Root Treatment			
	Street Name	Type	Footage
1			
2			
3			

This Month		Year to Date	
0	Feet	3551	Feet

Pump Station Services				
	Work performed	Location	Date	Notes
1	Weekly Pump Station Check	all 5	8-Aug	
2	Weekly Pump Station Check	all 6	15-Aug	exersixed generators
3	Weekly Pump Station Check	all 7	25-Aug	
4	Weekly Pump Station Check	all 8	28-Aug	
5				
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
Inwood	End Reading	688.40	2429.5	3119.4
	Start Reading	687.5	2429.5	2960.7
	Hrs Run	0.90	0	158.7

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
MAPLE & MAY	End Reading	34842.3	
	Start Reading	32758.5	
	Hrs Run	2083.8	

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Platts Mill	End Reading	4015.2	4823.5
	Start Reading	3912.4	4557.5
	Hrs Run	102.8	266

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Hopbrook	End Reading	1026.4	685.4
	Start Reading	1012.9	678.7
	Hrs Run	13.5	6.7

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
HORTON HILL	End Reading	7483.1	9313.4
	Start Reading	7401.7	9259.2
	Hrs Run	81.4	54.2

Vac Truck Information

Days out of the plant working		
This Month	YTD	Remaining
14	28	122

Fuel Information	Fuel Cost	Fuel Used		
	$4.37	52.1	Gallons	YTD Gallons
	$4.37	61.2	Gallons	255.0 Gallons
			Gallons	
			Gallons	YTD Fuel Cost
This Months Total	$8.74	113.3	Gallons	$629.30

	Mileage		Engine Hours
Month Start	175899.1	Month Start	5088.2
Month End	176530.5	Month End	5123.8
Total	631.4	Total	35.6

Utlity Truck Information	Fuel Cost	Fuel Used		
	$43.37	29.4	Gallons	YTD Gallons
	$43.37	32.9	Gallons	122.41
			Gallons	
			Gallons	YTD Fuel Cost
This months totals:	**$86.74**	**62.3**	Gallons	$349.94

Other tasks and notes

1	8/1/14 - 8/06/14 Involved thewater street backup. This included jetting, cameraing, Godwin pump systems and mult
2	8/05/14 - Bypass line for G&L on Woodbine st. at m/h 7-265 for sewer seperation dig
3	8/07/14 - fixed noisy m/h cover on water Street
4	8/8/2014 Bypass line for G&L on Wooster for two simultaneous digs
5	8/11/14 - Changed the oil on the blower and the water pump of the Vac truck
6	8/12/14 - Inspected the upper river easement
7	8/13/14 Put new boom lights on the Vac truck
8	8/15/14 - Dumped two 55 gal Caustic drums in Platts Mill wet well to break fown grease in force main
9	8/18/14 Dumped two 55 gal Caustic drums in Plats Mill again. Also, landscaped the grounds at Platts Mill and Maple/May
10	8/19/14 Cold patch was used on a m/h ;id to keep it in place on Prospect street until further action was taken
11	8/19/14 Vac out and clean Hopbrooks wet well and then dumped about 15 gals of caustic into tank
12	8/21/14 - Vac out and clean bioth Maple/May and Inwoods wet well. Used caustic in the wet well at Maple/May
13	8/22/14 Put a carbon filter on the vent pipe off Guntown road and sealed the surroundign m/hs with calk to help with odor
14	8/25/14 Did 1 ft draw downs while passing Maple/May, Inwood, and Hopbrook. Landscaped Maple/May grounds.
15	8/26/14 - did 1ft draw downs while by Passing at Platts Mill and Horton Hill
16	8/28/14 Confined space was used for #2pedistle repaire at Inwood station and the new pael was worked on as well.
17	
18	
19	
20	

VEOLIA
WATER

Sent via certified mail #7009 2820 0004 1018 2280 on August 5, 2014

Municipal Wastewater Monitoring Coordinator
Connecticut Department of Environmental Protection
Bureau of Water Management
79 Elm Street
Hartford, CT 06106-5127

August 5, 2014

Re: August 2014 Reports for Naugatuck, CT WPCF, NPDES # CT0100641

Dear Sir/Madam:

Enclosed please find the *Monthly Operating Report, Monthly Total Phosphorus, Seasonal Total Phosphorus, and Nutrients Analysis Report* for the month for August 2014. The *Nutrients Analysis Report for Compliance with General Permit for Nitrogen Discharges and Discharge Monitoring Report* was submitted electronically. There were no exceptions to the reports.

Also enclosed is a summary of sludge sources received at this facility during the month of August 2014.

Please contact me if you have any questions regarding the enclosed revised report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

cc: James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck
(Enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

Facility: Naugatuck WWTF
Sample month: Aug,2014
Facility ID: 088-001
Page 1 of MOR for permit # CT0100641

Chief Operator: John Batorski
Permit expiration date: August 7, 2006

Please return forms to: DEP-BWM
79 Elm Street
Hartford, CT 06106-5127

Date received: (stamped)

	Daily Flow			Primary Sludge			Aeration Tanks				Return sludge		Waste sludge	Dry solids to incineration	Waste accepted		CBOD (5-day)			Suspended Solids			Settleable Solids	Turbidity	Comments
	Max.	Min.	Total	Vol.	%	wt.	MLSS	SVI	DO Hi	DO Lo	% flow	% solids			septic	indust	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	
Day	mgd			gal.	solids	lbs.			mg/l				lbs	lbs	gal	gal	mg/l			mg/l			ml/l	NTU	
	daily			work day			work day				work day		work day	work day	work day		Daily			Daily			work day	work day	
01	5.2	2.8	4.1				3,820	76	3.90	0.90	244	0.49	0	158,784	35,450								0.0	2.0	
02	5.4	2.8	4.0						2.00	0.90	251		834	152,904	4,750										
03	5.3	2.6	3.9						2.00	0.90	266		0	162,096	1,500										
04	4.6	2.6	3.8				3,804	78	2.10	1.00	262	0.64	0	128,892	51,500		170	60	<4	280	69	<5	0.0	1.7	
05	4.7	2.6	3.8				4,722	66	2.30	0.90	278	0.61	1,029	89,718	55,200		110	76	<4	110	80	<5	0.0	1.8	
06	4.4	2.6	3.7				4,284	75	2.10	0.90	276	0.70	0	173,004	41,750		120	120	<4	86	100	<5	0.0	2.1	
07	8.0	2.6	3.5				4,064	72	5.00	0.20	90	0.68	0	154,116	59,700								0.0	2.5	
08	7.6	3.2	3.4				3,720	92	2.20	0.80	500	0.66	0	169,716	52,500								0.0	1.8	
09	8.3	1.5	3.2						2.50	0.90	324		0	149,448	15,500										
10	4.3	1.8	3.1						4.00	0.90	356		1,123	179,592	0										
11	3.9	2.1	3.2				3,612	84	2.30	0.80	327	0.53	0	163,116	50,250		250	85	<4	330	120	<5	0.0	1.4	
12	4.1	2.1	3.3				3,724	71	4.20	0.90	307	0.48	0	166,584	42,000		160	79	<4	230	94	<5	0.0	1.9	
13	5.0	2.6	4.0				3,008	91	2.30	1.00	264	0.57	0	173,004	33,750		110	94	<4	590	140	<5	0.0	1.8	
14	4.0	2.4	3.4				2,886	79	2.50	0.80	304	0.67	0	173,004	35,850								0.0	1.6	
15	4.2	2.1	3.2				4,232	58	3.00	1.40	316	0.59	0	172,283	50,950								0.0	2.4	
16	4.1	1.8	3.0						5.00	0.40	344		1,004	174,024	1,750										
17	4.3	1.8	3.1						5.00	0.60	329		1,004	173,004	2,000										
18	3.9	1.6	3.1				2,510	83	4.10	1.00	308	0.51	0	100,215	25,750		91	78	<4	150	64	<5	0.0	1.7	
19	3.5	1.9	3.1				2,892	63	3.10	0.60	324	0.42	0	115,107	40,200		110	95	<4	160	76	<5	0.0	2.5	
20	3.7	1.7	3.0				2,886	80	3.60	0.60	339	0.43	183	124,469	39,300		110	100	<4	130	90	<5	0.0	1.9	
21	4.1	1.9	3.2				3,400	87	2.20	1.00	310	0.54	0	161,904	31,750								0.0	1.5	
22	4.4	2.0	3.2				3,904	77	2.50	0.40	330	0.59	251	153,502	49,500								0.0	1.6	
23	4.5	1.9	3.1						2.50	0.20	334		251	154,476	6,250										
24	4.5	1.5	3.0						2.20	1.00	330		1,004	96,071	0										
25	4.1	2.1	3.1				6,184	77	2.40	0.90	332	0.74	625	85,202	27,250		220	97	<4	380	120	<5	0.0	1.4	
26	4.3	1.9	3.2				5,904	82	5.00	0.80	321	0.79	1,002	108,523	39,270		180	120	<4	320	170	<5	0.0	2.5	
27	4.3	1.8	3.3				6,816	72	2.50	0.00	321	0.93	1,187	130,352	29,950		190		<4	290		<5	0.0	2.2	
28	4.2	1.7	3.3				6,396	90	2.60	0.80	296	0.89	3,011	105,183	30,350								0.0	2.3	
29	4.4	1.9	3.3				7,128	79	2.90	0.90	333	0.88	2,994	147,118	45,250								0.0	2.8	
30	4.5	1.8	3.2						2.50	1.00	301		1,871	161,904	8,500										
31	3.9	1.9	3.4						3.80	1.00	310		1,871	160,752	2,200										
TOT			104.4										19,245	4,518,067	909,920										
AVG	4.7	2.1	3.4				4,281	78	2.2	2.1	307	0.6	621	145,744	29,352		152	91	4	255	102	5	0.0	2.0	

Page 2 of MOR for
Permit # CT100641

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Authorized Official: John Batorski Title: Plant Manager Signature: John Batorski Date: 9-5-14

	Chlorine Dose		Chlorine Residual		Fecal Coliform	Ammonia			Nitrate			Nitrite			TKN			D.O.	pH		Ortho P	Total Phosphorus		Temp.		Zinc	Copper	Comments
			high	low		Inf.	Prim.	Eff.	Inf.	Prim.	Eff.	Inf.	Prim.	Eff.	Inf.	Prim.	Eff.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Eff.	
Day	lbs	mg/l	mg/l		#/100 ml	mg/l			mg/l			mg/l			mg/l			mg/l	S.U.		mg/l	mg/l		Deg F		kg/d	kg/d	
	Daily		4/work day		daily	weekly			weekly			weekly			weekly			week	work day		weekly	wee k		work day		work day	work day	
01	83.93	2.47	0.04	0.00														6.2	7.2	6.7				69	87			
02	82.07	2.44	0.04	0.00																								
03	82.49	2.54	0.03	0.00																								
04	82.72	2.58	0.04	0.00		24.8	20.6	0.19	<0.01	<0.01	2.1	0.020	0.0	<0.01	40.5	30.4	1.57	6.4	7.3	6.7	10.0	5.4	10.1	71	87	0.89	0.10	
05	85.75	2.70	0.03	0.00	<10	23.8	19.9	0.16			2.4			<0.01			1.47	5.2	7.3	6.5	9.1		10.9	70	80			
06	88.53	2.88	0.04	0.00	<10	25.0	24.0	0.21			3.3			<0.01			1.67	7.6	7.1	6.8				73	83			
07	93.00	3.16	0.04	0.00	40													7.5	7.2	6.8				69	74			
08	90.04	3.16	0.03	0.01														5.9	6.9	6.6				71	87			
09	87.52	3.26	0.02	0.00																								
10	90.71	3.52	0.04	0.00																								
11	101.11	3.78	0.05	0.01		34.2	21.4	0.20			3.8			<0.01			1.80	5.8	7.2	6.5	8.9		12.2	70	88	0.86	0.12	
12	95.92	3.52	0.05	0.00	10	35.2	21.7	0.20			3.6			0.01			1.93	5.9	7.2	6.6	10.9		11.8	70	87			
13	94.98	2.88	0.04	0.00	<10	25.1	23.2	0.16			3.6			0.01			1.74	6.3	7.0	6.6				70	86			
14	92.89	3.25	0.03	0.00	40													7.4	7.2	6.6				70	71			
15	92.08	3.42	0.04	0.00														5.8	7.1	6.8				69	82			
16	87.03	3.49	0.04	0.00																								
17	92.39	3.60	0.03	0.00																								
18	91.59	3.53	0.03	0.00		24.8	21.4	0.16			2.6			<0.01			2.13	6.3	7.2	6.9	9.5		10.5	70	85	0.66	0.11	
19	89.59	3.48	0.03	0.00	10	23.6	22.6	0.11			3.3			<0.01			1.69	6.5	7.2	6.7	9.5		10.3	70	84			
20	88.64	3.54	0.04	0.00	40	25.0	25.8	0.11			3.6			<0.01			1.91	6.1	7.1	6.7				70	84			
21	87.68	3.29	0.03	0.00	20													6.3	7.2	6.7				70	86			
22	84.81	3.17	0.03	0.00														6.2	7.1	6.7				74	86			
23	90.90	3.48	0.04	0.00																								
24	86.94	3.45	0.04	0.00																								
25	89.40	3.41	0.04	0.01		26.6	19.4	0.21			3.5			<0.01			1.53	6.0	7.3	6.7	10.4		10.6	70	85	0.76	0.08	
26	88.11	3.28	0.05	0.01	<10	25.4	21.6	0.18	<0.01	<0.01	3.6	0.020	0.0	<0.01	72.4	36.7	1.57	6.6	7.3	6.8	10.1	6.0	10.5	72	75			
27	98.36	3.54	0.05	0.01	10	27.4		0.20			3.5			<0.01			1.43	6.7	7.2	6.8				72	83			
28	92.62	3.41	0.05	0.03	140													8.2	7.3	6.9				72	81			
29	86.61	3.15	0.05	0.01														7.5	7.3	6.9				71	80			
30	85.27	3.17	0.04	0.00																								
31	85.35	2.98	0.04	0.00																								
TOT																												
AVG			0.038	0.003	19	26.7	22.0	0.17	0.0	0.0	3.2	0.0	0.0	<0.01	56.5	33.6	1.70	6.5	7.2	6.7	9.8	5.7	10.9	71	83	0.79	0.10	

Monthly Total Phosphorus Report

for compliance with NPDES permit

Use this report from April 1st through October 30th

Facility Name: Naugatuck

Permit # : CT0100641

Month of: August, 2014

Sample Date	Flow (mgd)	Effluent Total Phosphorus (mg/l) Max. Daily Limit - - for comparison purposes only	X	Total Phosphorus (lbs/d)
08/04/2014	3.8	10.10	8.34	323
08/05/2014	3.8	10.90	8.34	346
08/11/2014	3.2	12.20	8.34	327
08/12/2014	3.3	11.80	8.34	322
08/18/2014	3.1	10.50	8.34	272
08/19/2014	3.1	10.30	8.34	265
08/25/2014	3.1	10.60	8.34	278
08/26/2014	3.2	10.50	8.34	282
			8.34	
			8.34	

Average Monthly Total Phosphorus Limit (mg/l)	Average Monthly Total Phosphorus (mg/l)	Average Seasonal Load Cap (lbs/d)	Average Monthly Total Phosphorus Load (lbs/d)
	10.86		302

Seasonal Total Phosphorus Report

Average from April 1st through October 30th

for compliance with NPDES permit

Submit this report by November 15th

Permit # CT0100641

Month	Average in lbs/d
April	374
May	311
June	313
July	403
August	305
September	
October	

Average Seasonal Load Cap in lbs/d	Seasonal Average in lbs/d
Load Capacity N/A	341

Nutrient Analysis Report

Town/Facility: Naugatuck WWTF Flow Rate: 3.8 MGD Sampling Date: 08/04/14

Parameter	Raw Influent		Primary Effluent		Final Effluent				Plant Efficiency
	mg/l	lbs/day	mg/l	lbs/day	mg/l	lbs/day	mg/l	lbs/day	(%)
Ammonia	24.8		20.6		0.2				
Nitrites	0.02		0.02		<0.01				
Nitrates	0.0		0.0		2.1				
TKN	40.5		30.4		1.6				
Total Nitrogen	40.5	1,298	30.4	975	3.7	117			91
Orthophosphates	2.2	70			10.0	320			
Total Phosphorus	5.4	172			10.1	323			

Permit # CT0100641

VEOLIA WATER

Naugatuck Plant Samples by Intake Forecast Summary

Sample Date Range 8/1/2014 - 8/31/2014
Forecast Date Range 9/1/2014 - 8/31/2014
Number of Forecast Days: 0

Bates, Inc.

Liquid Sludge

	Forecasted New Intake	Forecasted Total
Total Gallons: 6,000	0	6,000

Total Samples for Bates, Inc.: 1

Beacon Falls Treatment

Liquid Sludge

	Forecasted New Intake	Forecasted Total
Total Gallons: 136,500	0	136,500

Total Samples for Beacon Falls Treatment: 21

Bennett Septic

Septage

	Forecasted New Intake	Forecasted Total
Total Gallons: 204,300	0	204,300

Total Samples for Bennett Septic: 55

Bill Dunn Sanitation

Septage

	Forecasted New Intake	Forecasted Total
Total Gallons: 41,200	0	41,200

Total Samples for Bill Dunn Sanitation: 21

Bill Marek Excavating & Septic Systems

Septage

	Forecasted New Intake	Forecasted Total
Total Gallons: 33,000	0	33,000

Total Samples for Bill Marek Excavating & Septic Systems: 11

Bristol

Cake Sludge

	Forecasted New Intake	Forecasted Total
Total Tons: 238.92	0	239

Total Samples for Bristol: 14

Casella Chicopee

Cake Sludge

	Forecasted New Intake	Forecasted Total
Total Tons: 442.87	0	443

Total Samples for Casella Chicopee: 20

Casella Glen Cove

Cake Sludge

	Forecasted New Intake	Forecasted Total
Total Tons: 280.97	0	281

Total Samples for Casella Glen Cove: 11

Casella Huntington

Cake Sludge

	Forecasted New Intake	Forecasted Total
Total Tons: 358.40	0	358

Total Samples for Casella Huntington: 23

Casella Poughkeepsie

Cake Sludge

	Forecasted New Intake	Forecasted Total

Total Tons: 197.48	0	197
Total Samples for Casella Poughkeepsie: 8		

Casella Suffolk NY	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 1,153.47	0	1,153
Total Samples for Casella Suffolk NY: 43		

Casella Yorktown Heights	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 56.20	0	56
Total Samples for Casella Yorktown Heights: 4		

Chatfield	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 15,200	0	15,200
Total Samples for Chatfield: 19		

Connecticut Tank Removal	Forecasted New Intake	Forecasted Total
Industrial Waste Water		
Total Gallons: 1,126	0	1,100
Total Samples for Connecticut Tank Removal: 1		

East Coast Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 124,000	0	124,000
Total Samples for East Coast Septic: 31		

Grieger Excavating	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 7,500	0	7,500
Total Samples for Grieger Excavating: 3		

Heritage Village Water	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 26,000	0	26,000
Total Samples for Heritage Village Water: 4		

HI Stone Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 6,500	0	6,500
Total Samples for HI Stone Septic: 1		

Koseski Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 141,750	0	141,800
Total Samples for Koseski Septic: 49		

Litchfield	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 52,000	0	52,000
Total Samples for Litchfield: 8		

Lynnwood Place	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 45,500	0	45,500
Total Samples for Lynnwood Place: 7		

Mahopac Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 592,000	0	592,000
Total Samples for Mahopac Septic: 100		

Maslar's Party Rentals	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 270	0	300
Total Samples for Maslar's Party Rentals: 1		

Milbar Laboratories	Forecasted New Intake	Forecasted Total
Industrial Waste Water		
Total Gallons: 5,900	0	5,900
Total Samples for Milbar Laboratories: 1		

New England Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 132,000	0	132,000
Total Samples for New England Septic: 44		

New Hartford	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 6,500	0	6,500
Total Samples for New Hartford : 1		

New Rochelle	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 1,672.58	0	1,673
Total Samples for New Rochelle: 71		

North Canaan	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 26,000	0	26,000
Total Samples for North Canaan: 4		

Oxbury Sanitation	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 60,000	0	60,000
Total Samples for Oxbury Sanitation: 20		

Pawling	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 39,000	0	39,000
Total Samples for Pawling: 6		

Plymouth	Forecasted New Intake	Forecasted Total
Liquid Sludge		

Total Gallons: 91,000		
Total Samples for Plymouth: 14	0	91,000

Prospect Sanitation

Septage	Forecasted New Intake	Forecasted Total
Total Gallons: 32,500		
Total Samples for Prospect Sanitation: 13	0	32,500

Rhinebeck

Cake Sludge	Forecasted New Intake	Forecasted Total
Total Tons: 11.93		
Total Samples for Rhinebeck: 1	0	12

Shelton Septic

Septage	Forecasted New Intake	Forecasted Total
Total Gallons: 16,000		
Total Samples for Shelton Septic: 8	0	16,000

Stratford

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 747,500		
Total Samples for Stratford: 115	0	747,500

Superior Sanitation

Septage	Forecasted New Intake	Forecasted Total
Total Gallons: 22,500		
Total Samples for Superior Sanitation: 15	0	22,500

Synagro

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 271,800		
Cake Sludge	0	271,800
Total Tons: 29.26		
Total Samples for Synagro: 44	0	29

Talarico Septic

Septage	Forecasted New Intake	Forecasted Total
Total Gallons: 254,000		
Total Samples for Talarico Septic: 75	0	254,000

Thomaston

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 58,500		
Total Samples for Thomaston: 9	0	58,500

Torrington

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 383,500		
Total Samples for Torrington: 59	0	383,500

Veolia Bedford Hills

Liquid Sludge	Forecasted New Intake	Forecasted Total
Total Gallons: 26,000		
	0	26,000

Total Samples for Veolia Bedford Hills: 4

Veolia Danbury	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 303.28	0	303
Total Samples for Veolia Danbury: 14		

Veolia North Haven	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 117,000	0	117,000
Total Samples for Veolia North Haven: 18		

Veolia Pepsi	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 6,500	0	6,500
Total Samples for Veolia Pepsi: 1		

Veolia Poughkeepsie	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 351,000	0	351,000
Total Samples for Veolia Poughkeepsie: 54		

Veolia Seymour	Forecasted New Intake	Forecasted Total
Cake Sludge		
Total Tons: 109.76	0	110
Total Samples for Veolia Seymour: 12		

VES Americas Styrenics	Forecasted New Intake	Forecasted Total
Industrial Waste Water		
Total Gallons: 12,300	0	12,300
Total Samples for VES Americas Styrenics : 2		

Watertown Septic	Forecasted New Intake	Forecasted Total
Septage		
Total Gallons: 9,000	0	9,000
Total Samples for Watertown Septic: 3		

Westport	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 97,500	0	97,500
Total Samples for Westport: 15		

Windham	Forecasted New Intake	Forecasted Total
Liquid Sludge		
Total Gallons: 344,500	0	344,500
Total Samples for Windham: 53		

Total Gallons for all Customers 8/1/2014 - 8/31/2014: 4,543,346	0	4,543,300
Total Tons for all Customers 8/1/2014 - 8/31/2014: 4,855.12	0	4,855
Total Samples for all Customers 8/1/2014 - 8/31/2014: 1122		

DMR Copy of Record

Permit

Permit #:	CT0100641	**Permittee:**	NAUGATUCK WPCF	**Facility:**	NAUGATUCK, BOROUGH OF
Major:	Yes	**Permittee Address:**	500 CHERRY STREET NAUGATUCK, CT 06770	**Facility Location:**	500 CHERRY STREET NAUGATUCK, CT 06770
Permitted Feature:	001 External Outfall	**Discharge:**	001-1 SANITARY SEWAGE		

Report Dates & Status

Monitoring Period:	From 08/01/14 to 08/31/14	**DMR Due Date:**	09/15/14	**Status:**	NetDMR Validated

Considerations for Form Completion

MONTHLY AVERAGE CONCENTRATIONS SHALL NOT BE EXCEEDED BY > 1.5 DURING ANY WEEK.GRAB SAMPLES SHALL BE TAKEN DURINGPERIODS OF DAILY PEAK FLOW.SAMPLES COLLECTED FOR BACTERIOLOGICAL EXAM SHALL BE COLLECTED BTW 11AM & 3PM OR DURING PEAK HORLY FLOW.

Principal Executive Officer

First Name:	John	**Title:**	Plant Manager	**Telephone:**	203-723-1433
Last Name:	Batorski				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample										=	68	15 - deg F		01/01 - Daily	GR - GRAB
					Permit Req.										Req Mon INST MAX		15 - deg F		01/01 - Daily	GR - GRAB
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	5.2					19 - mg/L		01/01 - Daily	GR - GRAB
					Permit Req.						>=	5.0001 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.5			=	6.9	12 - SU		01/01 - Daily	GR - GRAB
					Permit Req.						>=	0 INST MIN			<=	9 INST MAX	12 - SU		01/01 - Daily	GR - GRAB
					Value NODI															
00410	Alkalinity, total [as CaCO3]	1 - Effluent Gross	0	--	Sample										=	50	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.										Req Mon INST MAX		19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	5	=	5	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	255			19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Value NODI															
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample										<	0.01	25 - mL/L		01/07 - Weekly	GR - GRAB
					Permit Req.										Req Mon INST MAX		25 - mL/L		01/07 - Weekly	GR - GRAB
					Value NODI															
00600	Nitrogen, total	1 - Effluent Gross	0	--	Sample										=	5.6	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.										Req Mon DAILY MX		19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00600	Nitrogen, total	C - Nitrogen, Removal Complete	0	--	Sample	=	139			26 - lb/d									02/07 - Twice Every Week	CP - COMPOS
					Permit Req.		Req Mon MO AVG			26 - lb/d									02/07 - Twice Every Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	3	--	Sample						=	0.2			=	0.2	19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Permit Req.						<=	4 MO AVG			Req Mon DAILY MX		19 - mg/L		12/30 - Twelve Per Month	CP - COMPOS
					Value NODI															
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample										=	0.01	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.										Req Mon DAILY MX		19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample										=	3.6	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.										Req Mon DAILY MX		19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample										=	2.1	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.										Req Mon DAILY MX		19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample										=	12.2	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.										Req Mon DAILY MX		19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
01002	Arsenic, total [as As]	S - See Comments	0	--	Sample										=	0.8	69 - mg/kg		01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.										Opt Mon INST MAX		69 - mg/kg		01/60 - Once Every 2 Months	GR - GRAB
					Value NODI															
01012	Beryllium, total [as Be]	S - See Comments	0	--	Sample										<	0.35	69 - mg/kg		01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.										Opt Mon INST MAX		69 - mg/kg		01/60 - Once Every 2 Months	GR - GRAB

Sent electronically 8-4-14 JB BT

				Value NODI														
01027 Cadmium, total [as Cd]	1 - Effluent Gross	0	--	Sample										<	0.0002	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Permit Req.											Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Value NODI														
01042 Copper, total [as Cu]	1 - Effluent Gross	0	--	Sample	=	0.1	=	0.12	01 - kg/d								01/07 - Weekly	CP - COMPOS
				Permit Req.	<=	1.4 MO AVG	<=	2.58 DAILY MX	01 - kg/d								01/07 - Weekly	CP - COMPOS
				Value NODI														
01077 Silver, total [as Ag]	1 - Effluent Gross	0	--	Sample										<	0.001	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Permit Req.											Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Value NODI														
01092 Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample	=	0.79	=	0.89	01 - kg/d								01/07 - Weekly	CP - COMPOS
				Permit Req.	<=	4.65 MO AVG	<=	11.11 DAILY MX	01 - kg/d								01/07 - Weekly	CP - COMPOS
				Value NODI														
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.4			03 - MGD								99/99 - Continuous	TM - TOTALZ
				Permit Req.	<=	10.3 MO AVG			03 - MGD								99/99 - Continuous	TM - TOTALZ
				Value NODI														
50060 Chlorine, total residual	1 - Effluent Gross	0	--	Sample										=	0.04	19 - mg/L	04/01 - Four Per Day	GR - GRAB
				Permit Req.										<=	.06 DAILY MX	19 - mg/L	04/01 - Four Per Day	GR - GRAB
				Value NODI														
70507 Phosphorous, in total orthophosphate	1 - Effluent Gross	0	--	Sample										=	10.9	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Permit Req.											Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Value NODI														
74055 Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	29	=	140	13 - #/100mL	12/30 - Twelve Per Month	GR - GRAB
				Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	12/30 - Twelve Per Month	GR - GRAB
				Value NODI														
78467 Zinc, dry weight	S - See Comments	0	--	Sample										=	781	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
78468 Lead, dry weight	S - See Comments	0	--	Sample										=	70	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
78469 Nickel, dry weight	S - See Comments	0	--	Sample										=	17	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
78471 Mercury, dry weight	S - See Comments	0	--	Sample										=	1.27	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
78473 Chromium, dry weight	S - See Comments	0	--	Sample										=	24	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
78475 Copper, sludge, tot, dry weight [as Cu]	S - See Comments	0	--	Sample										=	607	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
78476 Cadmium, sludge, tot dry weight [as Cd]	S - See Comments	0	--	Sample										=	1.51	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.											Opt Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI														
80126 BOD, carbonaceous, 5 day, 5 C	1 - Effluent Gross	1	--	Sample								=	4	=	4	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
				Permit Req.								<=	30 MO AVG	<=	40 DAILY MX	19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
				Value NODI														
80126 BOD, carbonaceous, 5 day, 5 C	G - Raw Sewage Influent	0	--	Sample								=	152			19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
				Permit Req.									Req Mon MO AVG			19 - mg/L	12/30 - Twelve Per Month	CP - COMPOS
				Value NODI														
81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98					23 - %	01/30 - Monthly	CA - CALCTD
				Permit Req.						>=	85 MN % RMV					23 - %	01/30 - Monthly	CA - CALCTD
				Value NODI														
81383 Carbonaceous oxygen demand, % removal	K - Percent Removal	0	--	Sample						=	97					23 - %	01/30 - Monthly	CA - CALCTD
				Permit Req.						>=	85 MN % RMV					23 - %	01/30 - Monthly	CA - CALCTD
				Value NODI														
TGA3D Pass/Fail Static 48Hr Acute D. Pulex	T - See Comments	1	--	Sample								=	0			9A - pass=0/fail=1	01/90 - Quarterly	CP - COMPOS
				Permit Req.									Opt Mon AVERAGE			9A - pass=0/fail=1	01/90 - Quarterly	CP - COMPOS
				Value NODI														
TGA6C Pass/Fail Static 48Hr Acute Pimephales	T - See Comments	1	--	Sample								=	0			9A - pass=0/fail=1	01/90 - Quarterly	CP - COMPOS
				Permit Req.									Opt Mon AVERAGE			9A - pass=0/fail=1	01/90 - Quarterly	CP - COMPOS
				Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

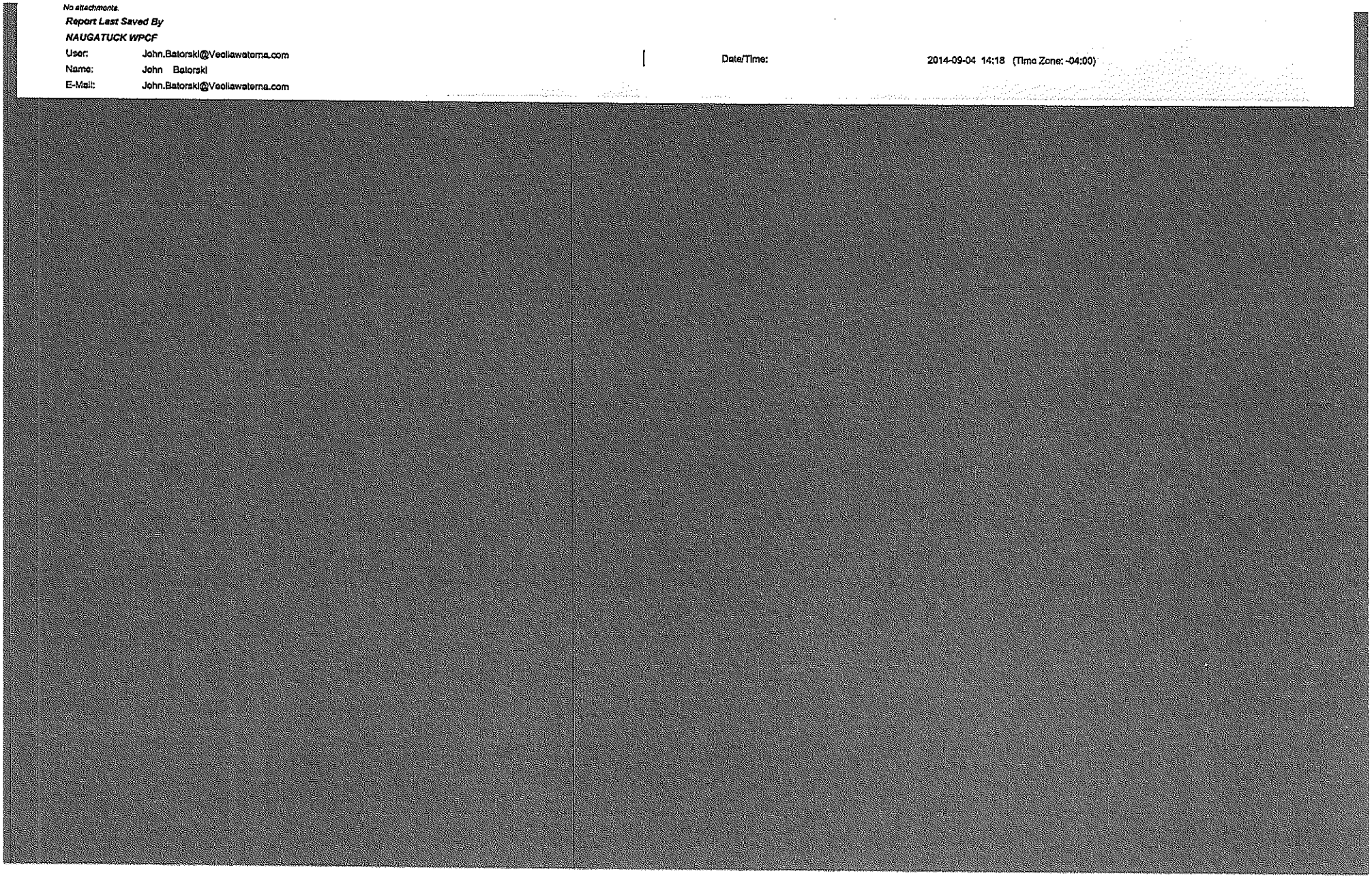
Attachments

No attachments.

Report Last Saved By

NAUGATUCK WPCF

User:	John.Batorski@Veoliawaterna.com	Date/Time:	2014-09-04 14:18 (Time Zone: -04:00)
Name:	John Batorski		
E-Mail:	John.Batorski@Veoliawaterna.com		



Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

Facility Name: NAUGATUCK TREATMENT Co.
Permit Number: CT0100641

Month: Aug-14
Design Flow: 10.3 MGD

Final Effluent

Plant Name	Sample Date (mm/dd/yyyy)	Average Daily Flow (mgd)	TKN (mg/l)	(Nitrite + Nitrate) (mg/l)	Total Nitrogen (mg/l)	Total Nitrogen (lbs/d)
NAUGATUCK TRE	8/4/2014	3.84	1.57	2.09	3.7	118
NAUGATUCK TRE	8/5/2014	3.81	1.47	2.42	3.9	124
NAUGATUCK TRE	8/6/2014	3.69	1.67	3.25	4.9	151
NAUGATUCK TRE	8/11/2014	3.21	1.8	3.82	5.6	150
NAUGATUCK TRE	8/12/2014	3.27	1.93	3.59	5.5	150
NAUGATUCK TRE	8/13/2014	3.95	1.74	3.6	5.3	175
NAUGATUCK TRE	8/18/2014	3.11	2.13	2.55	4.7	122
NAUGATUCK TRE	8/19/2014	3.09	1.69	3.31	5	129
NAUGATUCK TRE	8/20/2014	3	1.91	3.61	5.5	138
NAUGATUCK TRE	8/25/2014	3.14	1.53	3.52	5.1	134
NAUGATUCK TRE	8/26/2014	3.22	1.57	3.55	5.1	137
NAUGATUCK TRE	8/27/2014	3.33	1.43	3.52	5	139
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					0	0
					Total Pounds	1667
					Average Pounds	138.9166667

Date of Last Calibration of Flow Meter: 7/15/2014

Statement of Acknowledgement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ______________

Title: ______________

Sent electronically 9-4-14 John Bartoski

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 1139 on August 27, 2014

Connecticut Department of Energy and Environmental Protection
Bureau of Water Management
Chronic ATMR
79 Elm Street
Hartford, CT 06106-5127

August 27, 2014

Re: 2014 Chronic Aquatic Toxicity Monitoring Report

Dear Sir:

Enclosed please find the Naugatuck Chronic Aquatic Toxicity Monitoring Report for 2014.

Please contact me if you have any questions regarding the enclosed report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

cc: James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck (enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

STATE OF CONNECTICUTDEPARTMENT OF ENVIRONMENTAL PROTECTION**
CHRONIC ATMR PART 1 – PART 1

FACILITY NAME: Borough of Naugatuck WPCF **PIPE:** CT0100641

RECEIVING WATER: Naugatuck River **WATERBODY ID:** 6900

SAMPLE INFORMATION		Site Water	DSN-001 Effluent	Rain?
Sample #1	Collection Dates	7/28/14	7/27-28/14	
	Collection Times	0800	1204-1219	
	Flow (gpd)			
Sample #2	Collection Dates	7/30/14	7/29-30/14	
	Collection Times	1015	0104-1255	
	Flow (gpd)			
Sample #3	Collection Dates	8/1/14	7/31/14-8/1/14	
	Collection Times	0930	1244-1237	
	Flow (gpd)			

CHRONIC TOXICITY SUMMARY: Single Concentration

Invertebrate: Ceriodaphnia dubia	Lab Water	Site Water	100% Effluent DSN-001
48-hour % Survival	100%	100%	100%
7-day % Survival	100%	90%	100%
Mean # young/female	30.8	34.8	38.7
# females with 3 broods	8	10	9
% Fecundity	NA	NA	NA
Growth (weight; mg/mysid)	NA	NA	NA
Acceptability Criteria met?	Yes	Yes	NA
Vertebrate: Pimephales promelas	**Lab Water**	**Site Water**	**100% Effluent DSN-001**
48-hour % Survival	100%	95%	100%
7-day % Survival	100%	70%	100%
Growth (weight; mg/fish)	0.545	0.442	0.560
Acceptability Criteria met?	Yes	No	NA

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: John Batorski Title: Plant Manager

Signature: John Batorski Date: 8-27-14

STATE OF CONNECTICUT**DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHRONIC ATMR PART 1 – PART 1

FACILITY NAME: Borough of Naugatuck WPCF PIPE: CT0100641

RECEIVING WATER: Naugatuck River WATERBODY ID: 6900

CHRONIC TOXICITY SUMMARY: Definitive Multi-Concentration Tests			
Invertebrate: Ceriodaphnia dubia	Lab Water Not Applicable	Site Water Not Applicable	Effluent - DSN-001 (%)
48-hour LC50			>100% effluent
7-day LC50			>100% effluent
7-day EC50 (reproduction)			Not Applicable
7-day EC50 (growth)			Not Applicable
IC25 (reproduction)			>100% effluent
IC50 (reproduction)			>100% effluent
C-LOEC-Survival			>100% effluent
C-NOEC-Survival			100% effluent
C-LOEC-Reproduction (Fecundity)			>100% effluent
C-NOEC-Reproduction (Fecundity)			100% effluent
C-LOEC-Growth			Not Applicable
C-NOEC-Growth			Not Applicable

Vertebrate: Pimephales promelas	Lab Water Not Applicable	Site Water Not Applicable	Effluent - DSN-001 (%)
48-hour LC50			>100% effluent
7-day LC50			>100% effluent
7-day EC50 (growth)			Not Applicable
IC25 (growth)			Not estimated
IC50 (growth)			Not estimated
C-LOEC-Survival			Not estimated
C-NOEC-Survival			Not estimated
C-LOEC-Growth			Not estimated
C-NOEC-Growth			Not estimated

STATE OF CONNECTICUT**DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHRONIC ATMR PART 1 – PART 1

FACILITY NAME: Borough of Naugatuck WPCF PIPE: CT0100641

RECEIVING WATER: Naugatuck River WATERBODY ID: 6900

TOXICITY LAB MEASUREMENTS						
Sample Dates	Eff#1: 7/27-28/14	Riv#1: 7/28/14	Eff#2: 7/29-30/14	Riv#2: 7/30/14	Eff#3: 7/31/14-8/1/14	Riv#3:8/1/14
NEB ID Nos.	C34-2849	C34-2850	C34-2874	C34-2875	C34-2888	C34-2889
Arrival Temperature (°C)	6.1	7.0	8.4	9.2	15.5	16.5,19.0
Dissolved oxygen (mg/L)	8.5	8.3	8.5	8.9	8.0	8.1
PH (SU)	6.4	6.6	6.8	7.1	7.3	7.9
Alkalinity (mg/L as $CaCO_3$)	30	30	30	25	30	40
Hardness (mg/L as $CaCO_3$)	114	48	110	54	110	62
Salinity (ppt)	<1	<1	<1	<1	<1	<1
Specific Conductivity (µmhos/cm)	852	268	841	299	887	372
TRC (mg/L)	<0.02	<0.02	0.027	0.021	0.025	0.022

New England Bioassay
a Division of GZA GeoEnvironmental, Inc.

77 Batson Drive
Manchester, CT
06042
860-643-9560
FAX 860-646-7169

CHRONIC AQUATIC TOXICITY TEST REPORT

Borough of Naugatuck WPCF
DSN 001
NPDES Permit: CT0100641
Receiving Water: Naugatuck River

Test Start Date: 7/29/14

Test Period: July 2014

Report Prepared by:

New England Bioassay
A Division of GZA GeoEnvironmental. Inc.
77 Batson Dr.
Manchester, CT 06042

NEB Project Number: 05.0044745.00

Report Date: August 19, 2014

Report Submitted to:

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040

Sample ID: BG82700/82701

Please contact the Lab Manager, Kim Wills, at (860) 858-3153 or Kimberly.wills@gza.com if you have any questions concerning these results.

Whole Effluent Toxicity Testing Report Instruction Form

Client Name/Project: Naugatuck WPCF Test Date: 7/29/14

Sample ID: BG82700/82701

Your results were as follows:

☒ Monitoring Only

□ Fail – Please proceed according to the instructions in your permit.

□ Invalid – **Retesting is still required. Retest report will be sent at a later date under separate cover.**

□ Original Test Invalid – **Valid retest performed. Both test and retest results are attached.**

□ Retesting will be or has been performed according to the Case 1 Protocols outlined in the attached copy of EPA-New England's species-specific, self-implementing policy for alternate dilution water.

□ This is your _____ case of dilution water toxicity. Please proceed according to the Case 2 Protocols outlined in the attached copy of EPA-New England's species-specific, self-implementing policy for alternate dilution water. The alternate dilution water you select for future tests for this species should be described as follows: "synthetic laboratory water made up according to EPA's toxicity test protocols, by adding specified amounts of salts into deionized water in order to match the hardness of our receiving water." Writing this letter should help you to avoid retests in the future.

□ Available information is insufficient to determine whether this test passed or failed. Please compare results to your permit limits. Please submit a current copy of your permit to the NEB Lab so that we can determine the status of future tests results and help ensure your compliance with permit requirements.

Please complete the items on this list before reporting these results according to the instructions in the "Monitoring and Reporting" Section of your permit.

- Please complete, sign and date the upper portion of the "Whole Effluent Toxicity Test Report Certification" page which is the page directly following this page.
- Fill in the Sample Type and Sample Method (upper right) and the Permit Limits (lower left) on the New England Bioassay-EPA Toxicity Test Summary Sheet(s) if they are incomplete.
- Fill in any missing information on the NEB Chain-of-Custody documents. This includes ensuring that the following information is recorded: Sampler's name and title, Facility name and address, Sample collection methods, Sample collection start and end dates and times, Types of sample, Chlorination status of samples upon shipment to NEB, Site description and Sample collection procedures.
- Monitoring results should be summarized on your monthly Discharge Monitoring Report Form.
- Signed and dated originals of this report must be submitted to the State (and Federal) Agencies specified in the "Monitoring and Reporting" section of your permit.

Questions? Please contact the Lab Manager, Kim Wills, at (860) 858-3153 or Kimberly.wills@gza.com

Whole Effluent Toxicity Test Report Certification

I certify under penalty of law that this document and all Attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on 8-27-14
[Date]

John Batarski
[Authorized Signature]

John Batarski
[Print or Type Name and Title]

Borough of Naugatuck
[Print or Type the Permittee's Name]

CT0100641
[Print or Type the NPDES Permit No.]

Since the WET test and report check is complicated, New England Bioassay has certified the validity of the WET test data in the section below. Please note that this does not relieve the permittee from its responsibility to sign and certify the report under 40 C.F.R. S 122.41(k).

Whole Effluent Toxicity Test Report Certification

I certify under penalty of law that this document and all Attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on 8/19/14
[Date]

[Authorized Signature]

Kim Wills, Laboratory Manager
[Print or Type Name and Title]

New England Bioassay
[Print or Type Name of Bioassay Laboratory]

24. Telephone Contacts
If you have questions, please contact Joy Hilton, Water Technical Unit, at (617) 918-1877 or David McDonald, Ecosystem Assessment Unit, at (617) 918-8609.

New England Bioassay - EPA Toxicity Test Summary Sheet

Facility Name: Naugatuck WPCF Test Start Date: 7/29/14
NPDES Permit Number: CT0100641 Pipe Number: _____

Test Type	Test Species	Sample Type	Sample Method
_ Acute	_ Fathead Minnow	_ Prechlorinated	_ Grab
_ Chronic	X Ceriodaphnia	X Dechlorinated	X Composite
X Modified (chronic reporting acute values)	_ Daphnia Pulex	_ Chlorine Spiked in Lab	_ Flowthru
	_ Mysid Shrimp	_ Chlorinated on site	_ Other
_ 24hr screening	_ Sheepshead	_ Unchlorinated	
	_ Menidia		
	_ Sea Urchin		
	_ Champia		
	_ Selenastrum		
	_ Other_____		

Dilution Water

X receiving water collected at a point upstream of or away from the discharge, free from toxicity or other sources of contamination; (Receiving water name: Naugatuck River)

_ alternate surface water of known quality and a hardness, etc. to generally reflect the characteristics of the receiving water; (Surface water name: _____)

_ synthetic water prepared using either Millipore Mill-Q or equivalent deionized water and reagent grade chemicals; or deionized water combined with mineral water;

_ or artificial sea salts mixed with deionized water;

_ deionized water and hypersaline brine; or

_ other_____

Effluent sampling date (s): 7/27-28/14 7/29-30/14 7/31/14-8/1/14

Effluent concentrations tested (in%): 0 6.25 12.5 25 50 100
* Permit limit concentration: Monitoring only

Was effluent salinity adjusted? No
If yes, to what value? N/A ppt
With sea salts? N/A Hypersaline brine solution? N/A

Actual effluent concentrations tested after salinity adjustment (%): 0 6.25 12.5 25 50 100

Reference Toxicant test date: 7/1/14

Test Acceptability Criteria

Mean Control Survival: 100%
Mean Diluent Survival: 90%
Mean Control Weight: N/A
Mean Diluent Weight: N/A

Mean Control Reproduction: 30.8 young/female
Mean Diluent Reproduction: 34.8 young/female
Mean Control Cell Count: N/A
Mean Diluent Cell Count: N/A

	Limits		Results
LC50	Monitoring only	LC50	>100%
		Upper Value	±∞
		Lower Value	100%
		Data Analysis Method Used	Graphical
A-NOEC	N/A	A-NOEC	100%
C-NOEC	Monitoring only	C-NOEC	100%
		LOEC	>100%
IC25	N/A	IC25	>100%
IC50	N/A	IC50	>100%

New England Bioassay - EPA Toxicity Test Summary Sheet

Facility Name: Naugatuck WPCF Test Start Date: 7/29/14
NPDES Permit Number: CT0100641 Pipe Number: _____

Test Type	Test Species	Sample Type	Sample Method
_ Acute	X Fathead Minnow	_ Prechlorinated	_ Grab
_ Chronic	_ Ceriodaphnia	X Dechlorinated	X Composite
X Modified (chronic reporting acute values)	_ Daphnia Pulex	_ Chlorine Spiked in Lab	_ Flowthru
_ 24hr screening	_ Mysid Shrimp	_ Chlorinated on site	_ Other
	_ Sheepshead	_ Unchlorinated	
	_ Menidia		
	_ Sea Urchin		
	_ Champia		
	_ Selenastrum		
	_ Other		

Dilution Water
X receiving water collected at a point upstream of or away from the discharge, free from toxicity or other sources of contamination; (Receiving water name: Naugatuck River)
_ alternate surface water of known quality and a hardness, etc. to generally reflect the characteristics of the receiving water; (Surface water name:)
_ synthetic water prepared using either Millipore Mill-Q or equivalent deionized water and reagent grade chemicals; or deionized water combined with mineral water;
_ or artificial sea salts mixed with deionized water;
_ deionized water and hypersaline brine; or
_ other

Effluent sampling date (s): 7/27-28/14 7/29-30/14 7/31/14-8/1/14

Effluent concentrations tested (in%): 0 6.25 12.5 25 50 100
* Permit limit concentration: Monitoring only

Was effluent salinity adjusted? No
If yes, to what value? N/A ppt
With sea salts? N/A Hypersaline brine solution? N/A

Actual effluent concentrations tested after salinity adjustment (%): 0 6.25 12.5 25 50 100

Reference Toxicant test date: 7/1/14

Test Acceptability Criteria

Mean Control Survival:	100%	Mean Control Reproduction:	N/A
Mean Diluent Survival:	70%	Mean Diluent Reproduction:	N/A
Mean Control Weight:	0.545 mg	Mean Control Cell Count:	N/A
Mean Diluent Weight:	0.442 mg	Mean Diluent Cell Count:	N/A

	Limits		Results
LC50	Monitoring only	LC50	>100%
		Upper Value	±∞
		Lower Value	100%
		Data Analysis Method Used	Graphical
A-NOEC	N/A	A-NOEC	100%
C-NOEC	Monitoring only	C-NOEC	Not estimated
		LOEC	Not estimated
IC25	N/A	IC25	Not estimated
IC50	N/A	IC50	Not estimated

CERIODAPHNIA DUBIA AQUATIC TOXICITY TEST REPORT

Test Reference Manual:	EPA 821-R-02-013, "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms", Fourth Edition
Test Method:	*Ceriodaphnia dubia* Survival and Reproduction Test – 1002.0
Test Type:	Modified Chronic Static Renewal Freshwater Test
Temperature:	25 ± 1°C
Light Quality:	Ambient Laboratory Illumination
Photoperiod:	16 hours light, 8 hours dark
Test Chamber Size:	30 mL
Test Solution Volume:	Minimum 15 mL
Renewal of Test Solutions:	Daily, using most recently collected sample
Age of Test Organisms:	Less than 24 hours
Number of Neonates Per Test Chamber:	1
Number of Replicate Test Chambers Per Treatment:	10
Number of Neonates Per Test Concentration:	10
Feeding Regime:	Fed 0.1 mL each of YCT and algal suspension per exposure chamber daily.
Aeration:	None
Dilution Water:	Naugatuck River
Alternate Control Water:	NEB Lab Synthetic Soft Water (hardness 50 ± 5 mg/L)
Effluent Concentrations:	0%, 6.25%, 12.5%, 25%, 50% and 100% effluent
Test Duration:	Until 60% of control females have three broods - 6 days
End Points:	Survival and reproduction.
Test Acceptability:	Control Survival: ≥ 80% Yes X No _ Control Reproduction: Average ≥ 15/control female Yes X No _
Sampling Requirements:	A minimum of 3 samples are collected Yes X No _ Samples first used within 36 hours of collection Yes X No _
Sample Volume Required:	Minimum 2 liters/day

Test Organism Source: NEB

Test Acceptability Criteria: Mean Alternate Water Control Survival = 100%
Mean Dilution Water Control Survival = 90%
Mean Alternate Control Reproduction = 30.8 /female
Mean Dilution Control Reproduction = 34.8 /female

Test Results:

	Limits	Results	Status
48-hour LC50	Monitor only	>100%	Monitor only
Upper Value		±∞	
Lower Value		100%	
Data Analysis Method Used		Graphical	
A-NOEC		100%	
Survival C-NOEC		100%	
Reproduction C-NOEC		100%	
Reportable C-NOEC	Monitor only	100%	Monitor only
LOEC		>100%	
MATC		>100%	

Reference Toxicant Data:

Date: 7/1/14
Toxicant: Sodium chloride
Dilution Water: NEB Lab Synthetic Soft Water
Source: New England Bioassay
IC_{25}: 1.179 g/L
In Acceptable Range: Yes X No _____

Dechlorination Procedures: Chlorine is measured using 4500 CL-G DPD Colorimetric Method.

X Dechlorination is not allowed under this permit

_ Sample was dechlorinated by adding sodium thiosulfate to the sample prior to test initiation. Since dechlorination of the effluent was necessary, a thiosulfate control of diluent water spiked with sodium thiosulfate was also included in the test series. Chlorine was _____ mg/L in a dechlorinated sample.

_ Chlorine Measurement was elevated due to interference. Chlorine was _____ mg/L in a filtered sample.

_ Total Residual Chlorine was re-measured following aeration, and was found to be _____ mg/L.

Additional Notes or Other Conditions Affecting the Test:

PIMEPHALES PROMELAS AQUATIC TOXICITY TEST REPORT

Test Reference Manual:	EPA 821-R-02-013, "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms", Fourth Edition	
Test Method:	*Pimephales promelas* Larval Survival and Growth Test – 1000.0	
Test Type:	Modified Chronic Static Renewal Freshwater Test	
Temperature :	25 ± 1°C	
Light Quality:	Ambient Laboratory Illumination	
Photoperiod:	16 hours light, 8 hours dark	
Test Chamber Size:	600 mL	
Test Solution Volume:	Minimum 250 mL	
Renewal of Test Solutions:	Daily, using most recently collected sample	
Age of Test Organisms:	Less than 24 hours	
Number of Larvae Per Test Chamber:	10	
Number of Replicate Test Chambers Per Concentration:	4	
Number of Larvae Per Test Concentration:	40	
Feeding Regime:	Fed 0.15 g newly hatched brine shrimp nauplii twice daily.	
Cleaning:	Siphoned daily, immediately before test solution renewal.	
Aeration:	DO concentration fell below 4.0 mg/L Aerated at <100 bubbles/minute	Yes__ No X Yes _ No X
Dilution Water:	Naugatuck River	
Alternate Control Water:	NEB Lab Synthetic Soft Water (hardness 50 ± 5 mg/L)	
Effluent Concentrations:	0%, 6.25%, 12.5%, 25%, 50% and 100% effluent	
Test Duration:	7 days	
End Points:	Survival and growth.	
Test Acceptability:	Control Survival: ≥ 80% Control Average Dry Weight ≥ 0.25 mg	Yes __ No X Yes X No _
Sampling Requirements:	A minimum of 3 samples are collected Samples first used within 36 hours of collection.	Yes X No _ Yes X No _

Sample Volume Required: Minimum 2.5 liters/day

Test Organism Source: NEB

Test Acceptability Criteria: Mean Alternate Water Control Survival = 100%
Mean Dilution Water Control Survival = 70%
Mean Alternate Water Control Weight = 0.545 mg
Mean Dilution Water Control Weight = 0.442 mg

Test Results:

	Limits	Results	Status
48-hour LC50	Monitor only	>100%	Monitor only
Upper Value		±∞	
Lower Value		100%	
Data Analysis Method Used		Graphical	
A-NOEC		100%	
Survival C-NOEC		Not estimated	
Growth C-NOEC		Not estimated	
Reportable C-NOEC	Monitor only	Not estimated	
LOEC		Not estimated	
MATC		Not estimated	

Reference Toxicant Data:

Date:	7/1/14
Toxicant:	Sodium chloride
Dilution Water:	NEB Lab Synthetic Soft Water
Source:	New England Bioassay
IC_{25}:	1.323 g/L
In Acceptable Range:	Yes X No

Dechlorination Procedures: Chlorine is measured using 4500 CL-G DPD Colorimetric Method.

X Dechlorination is not allowed under this permit

_ Sample was dechlorinated by adding sodium thiosulfate to the sample prior to test initiation. Since dechlorination of the effluent was necessary, a thiosulfate control of diluent water spiked with sodium thiosulfate was also included in the test series. Chlorine was _____ mg/L in a dechlorinated sample.

_ Chlorine Measurement was elevated due to interference. Chlorine was _____ mg/L in a filtered sample.

_ Total Residual Chlorine was re-measured following aeration, and was found to be _____ mg/L.

Additional Notes:
Survival of fathead minnows in the Naugatuck River control was 70% at test completion which falls below the minimum EPA test acceptability criterion of 80%. Survival of fathead minnows in the 6.25% to 100% effluent concentrations was >92.5% at test completion. Although the statistics indicate that there is no toxicity present in the Naugatuck effluent, we are reporting the survival and growth C-NOEC as "Not Estimated" due to the invalid dilution water control.

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

August 14, 2014

City of Naugatuck Treatment Co.
500 Cherry Street Ext.
Naugatuck, CT 06770

Re: Notice of Sale of Equivalent Nitrogen Credits

Dear Sir of Madam:

Enclosed is the City of Naugatuck's check for the sale of nitrogen credits. The Department of Energy and Environmental Protection in consultation with the Nitrogen Credit Advisory Board established the annual value of an equivalent nitrogen credit of $5.61 for the calendar year 2013. This value was derived as specified in Connecticut General Statutes 22a-524 by dividing the total annual project cost for nitrogen removal projects at Connecticut sewage treatment facilities by the reduction in equivalent pounds of nitrogen achieved. Your facility removed nitrogen to a level that is below the required level established in the General Permit. Therefore, your facility benefits from the sale of equivalent nitrogen credits that have been generated. The amount for the nitrogen credits sold by the City of Naugatuck for 2013 is $1,229 (please see enclosed invoice).

As a reminder to all Water Pollution Control Authorities receiving funds from the sale of nitrogen credits through the Nitrogen Trading Exchange Program, Connecticut General Statutes 7-267 describes the separate accounting and use of funds from the use of the sewerage system. It is the Department's position that these funds are to remain with and be utilized by the Water Pollution Control Authority to benefit the operation, maintenance and improvement of the water pollution control facilities of your municipality.

The Department and Nitrogen Credit Advisory Board congratulate you on a successful year in the operation of your facility in removing nitrogen. Continued operation of your facility for high levels of nitrogen removal will help in achieving the long-term goals for Long Island Sound.

Should you have any questions regarding the use of funds from the sale of credits or believe there is an error in your check or electronic transfer, please contact Iliana Raffa of the Department's Bureau of Water Protection and Land Reuse at 860-424-3758 or email her at (Iliana.raffa@ct.gov).

Sincerely,

Betsey Wingfield
Bureau Chief
Bureau of Water Protection and Land Reuse

State of Connecticut
Office of the State Comptroller
Hartford, CT 06106-1775

OTTM1 14469303 0000000088
TOWN OF NAUGATUCK
TOWN CLERK
229 CHURCH ST
NAUGATUCK, CT 06770

BU	OTTM1
Agency Name	Office of the State Treasurer
Reference Number	14469303
Payment Date	8/15/2014
Payment Amount	1,229.00

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Taken	Net Amount
CT0100641FY2015 *NITROGEN CREDIT*	8/12/2014	00035227	1,229.00	0.00	1,229.00

Switch to direct deposit for faster payments www.osc.ct.gov/vendor
If additional information is required, please call Office of the State Treasurer at (860)702-3142

THIS CHECK IS BLUE. THE BACK CONTAINS A STATE SEAL WATERMARK. HOLD AT AN ANGLE TO VERIFY.

CO-205 (NEW 9-99)

Office of the State Comptroller
to the
State Treasurer

51-44
119 CT

BUSINESS UNIT OTTM1
AGENCY NAME OFFICE OF THE STATE TREASURER

VENDOR CHECK NO. 14469303

PAYMENT AMOUNT
ONE THOUSAND TWO HUNDRED TWENTY-NINE DOLLARS NO CENTS

BANK OF AMERICA
Hartford, CT 06110

Payment Date 08/15/2014
Payment Amount $1,229.00

PAY TO THE ORDER OF
TOWN OF NAUGATUCK
TOWN CLERK

NOT VALID UNLESS SIGNED BY BOTH
STATE COMPTROLLER AND STATE TREASURER

KEVIN LEMBO
COMPTROLLER - STATE OF CONNECTICUT

DENISE L. NAPPIER
TREASURER - STATE OF CONNECTICUT

VOID

⑈14469303⑈ ⑆011900445⑆ 57437888⑈

Long Island Sound Nutrient Reduction Program
FINAL Credit Exchange Invoice - 2013

NAUGATUCK TREATMENT Co.	CT0100641

End-of-Pipe TN Discharged (lbs/day)

January	200
February	205
March	422
April	247
May	238
June	365
July	281
August	245
September	181
October	188
November	185
December	257
Annual Avg	251 (lbs/day)

Credit Exchange Calculation

a. Permit Limit		252.000
b. Annual Avg		251.000
c. E-Factor		0.600
d. Credits	(b - a) x c	-0.600
e. Cost / Credit		5.61
f. Annual Invoice *		-$1,229

* Credits(d) x Cost of Credit(e) x 365 days
(negative value indicates payment to municipality)

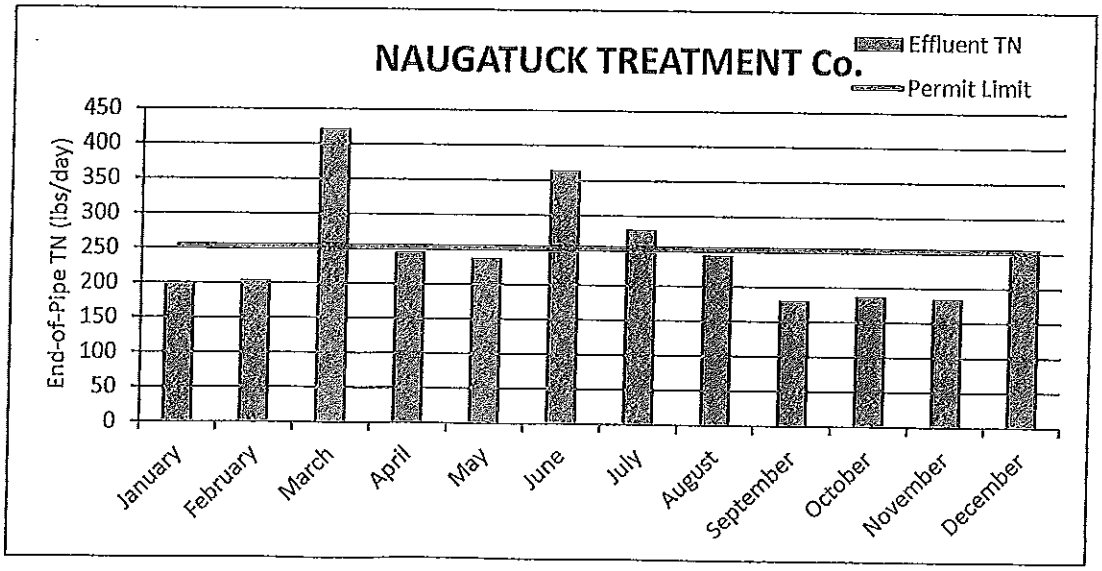
PLEASE SEND PAYMENTS TO:

State of Connecticut, Office of the Treasurer
6th Floor, 55 Elm Street
Hartford, CT 06106
Attn: Clean Water Fund Financial Administator

The Commissioner will purchase credits by August 14, 2014, in the amount of:

$1,229

Monthly Discharge of TN vs. 2013 Permit Limit



VEOLIA
WATER

Sent via certified mail #7009 2820 0004 1018 1122 on August 12, 2014

Connecticut DEEP
Donald Gonyea
Bureau of Materials Management and Compliance Assurance
79 Elm Street
Hartford, CT 06106

August 12, 2014

Re: Laboratory DMR-QA Evaluation Study 34

Dear Mr Gonyea:

Enclosed please find the *NPDES Permittee Data Report Form* for the Naugatuck WWTP, NPDES Permit #CT0100641. All results were within acceptable limits.

Please contact me if you have any questions regarding the enclosed revised report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

cc: James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck
(Enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

United States Environmental Protection Agency

United States

ENVIRONMENTAL PROTECTION AGENCY

Washington, D.C. 20460

Laboratory DMR-QA Evaluation Study 34

Laboratory Performance Evaluation

Office of Enforcement and Compliance Assurance

(These data are collected under the authority of the Federal Water Pollution Control Act.)

NPDES Permittee Data Report Form

Due August 29, 2014	**Attention:** Follow the instructions on the previous page to complete this form and submit data for evaluation.	State	NPDES Permit Number	Permit Extension
		CT	CT0100641	

Permitee name: VEOLIA WATER NORTH AMERICAN

Current Permittee mailing address: 500 CHERRY ST
NAUGATUCK, CT 06770-4503

Phone Number: 203-723-1433 FAX Number: 203-723-8539

e-mail: John.Baturski@Veolia.com

For DMR-QA Study 34, conducted in 2014, the Permittee ensured that their laboratory(s) performing the required analyses:

Received PT Samples:	Submitted Complete and Accurate Data by July 11, 2014:	Received a Graded Report by August 1, 2014:
Yes ☐ No ☐	Yes ☒ No ☐	Yes ☒ No ☐
	contract lab	

Certification by Permit Holder or Authorized Representative

(as per 40 C.F.R. Part 122.22 - see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Certifying Official: **John Baturski** (Baturski) Title: **OPERATOR**

Signature: John Baturski Date: Aug 12, 2014

Address, phone number and e-mail of Certifying Official are required if different from above. —

Address:

Phone No.: **(203) 723-1433**

e-mail:

United States Environmental Protection Agency

United States

ENVIRONMENTAL PROTECTION AGENCY

Washington, D.C. 20460

Laboratory DMR-QA Evaluation Study 34

Laboratory Performance Evaluation

Office of Enforcement and Compliance Assurance

(These data are collected under the authority of the Federal Water Pollution Control Act.)

Permittee name	State	NPDES Permit No.	Permit Extension
VEOLIA WATER NORTH AMERICAN	**CT**	**CT0100641**	

Identification of All CHEM, MICRO and TOX Laboratories who did analyses for Permit Number: CT0100641

Name of Laboratory	Address of Laboratory	U.S. EPA Lab Code	Lab Analysis Check box(es) that apply			Lab Type*	State-certfied Laboratory**
			CHEM	MICRO	TOX		
New England Bioassay A Division of GZA GeoEnvironmental, Inc.	77 Batson Drive Manchester, CT 06042 UNITED STATES	CT01041	☐	☐	■	C	☐
			☐	☐	☐		☐
			☐	☐	☐		☐
			☐	☐	☐		☐

*Lab Types: C = Commercial F = Federal G = Local Government I = Industrial O = Other S = State

** See Footnote 2 on DMR-QA Study 34 Fact Sheet

If you need additional space, please make a copy of this page for additional laboratories.

SIGMA-ALDRICH RTC

2931 Soldier Springs Rd., Laramie, WY 82070 USA
1-307-742-5452 www.sigma-aldrich.com

NPDES Laboratory Performance Evaluation Report
RTC Laboratory Proficiency Testing Program
DMRQA 34 - Concluding 07/11/2014

NPDES Permit #: **CT0100641**
Permit Name:**VEOLIA WATER NORTH AMERICAN**

John Baturski
500 CHERRY ST
NAUGATUCK, CT 06770-4503

If you have any questions about your report, please contact Customer Service at (307) 742-5452 or email: rtcptgroup@sial.com. A copy of this report has been sent to both your State and Regional Coordinator. This report shall not be reproduced except in full, with written approval of the Laboratory. A Laboratory may not claim endorsement by ACLASS, NELAC or any other federal agency. RTC is accredited to perform PT programs for the scope of accreditation to ISO/IEC 17043 under ACLASS certificate AP-1469.

This report may contain data that are not covered by the ACLASS accreditation.

Analyzing Laboratory: **New England Bioassay***A Division of GZA GeoEnvironmental, Inc.*
EPA Labcode: **CT01041**

	Analysis Method	Result	Assigned Value	Acceptance Limits	Evaluation
Fathead Minnow Acute MHSF 25° - LC50 754	EPA-821-R02-012 0	26.6 %	28.8	12.1 to 45.5	**Acceptable**
Fathead Minnow Chronic MHSF - Survival NOEC 756	EPA 1000 10114600	6.25 %	6.25	<6.25 to 12.5	**Acceptable**
Ceriodaphnia Acute MHSF 25° - LC50 764	EPA-821-R02-012 0	>100 %	64.1	10.0 to 125	**Acceptable**
Ceriodaphnia Chronic MHSF - Survival NOEC 766	EPA-821-R02-013 0	<6.25 %	6.25	<6.25 to 12.5	**Acceptable**
Ceriodaphnia Chronic MHSF - Reproduction IC25 767	EPA-821-R02-013 0	<6.25 %	4.34	0 to 9.38	**Acceptable**
Ceriodaphnia Chronic MHSF - Reproduction NOEC 768	EPA-821-R02-013 0	<6.25 %	6.25	<6.25 to 12.5	**Acceptable**
Daphnia Pulex MHSF 25° - LC50 794	EPA-821-R02-012 0	7.4 %	15.8	1.83 to 31.0	**Acceptable**
Fathead Minnow Chronic MHSF - Growth IC25 (ON) 808	EPA 1000 10114600	3.14 %	4.44	0.345 to 11.1	**Acceptable**
Fathead Minnow Chronic MHSF - Growth NOEC (ON) 810	EPA 1000 10114600	<6.25 %	6.25	<6.25 to 12.5	**Acceptable**

Certifying Officer: Patrick Brumfield

ACLASS ACCREDITED PROFICIENCY TESTING PROVIDER

Date: August 1, 2014

Permittee name: **VEOLIA WATER NORTH AMERICAN** State: **CT** Permit Number: **CT0100641** EPA Lab code: **CT01041**

Chemistry/Microbiology/Analyte Checklist

DMR-QA Study 34

Analyte Test	Test Required	Laboratory's Graded Result		Analyte determined by state-certified laboratory*
		Acceptable	Not Acceptable (Corrective Action Required)	
Trace Metals - Waste Water				
Aluminum, Al	☐	☐	☐	☐
Antimony, Sb	☐	☐	☐	☐
Arsenic, As	☐	☐	☐	☐
Barium, Ba	☐	☐	☐	☐
Beryllium, Be	☐	☐	☐	☐
Cadmium, Cd	☐	☐	☐	☐
Chromium VI, Cr(VI)	☐	☐	☐	☐
Chromium, Cr (total)	☐	☐	☐	☐
Cobalt, Co	☐	☐	☐	☐
Copper, Cu	☐	☐	☐	☐
Iron, Fe	☐	☐	☐	☐
Lead, Pb	☐	☐	☐	☐
Low Level Mercury	☐	☐	☐	☐
Manganese, Mn	☐	☐	☐	☐
Mercury, Hg	☐	☐	☐	☐
Molybdenum, Mo	☐	☐	☐	☐
Nickel, Ni	☐	☐	☐	☐
Selenium, Se	☐	☐	☐	☐
Silver, Ag	☐	☐	☐	☐
Thallium, Tl	☐	☐	☐	☐
Vanadium, V	☐	☐	☐	☐
Zinc, Zn	☐	☐	☐	☐
Microbiology				
Escherichia coli	☐	☐	☐	☐
Escherichia coli, MPN	☐	☐	☐	☐
Fecal coliform, MPN	☐	☐	☐	☐
Fecal coliforms	☐	☐	☐	☐
Total Coliform, MPN	☐	☐	☐	☐
Total coliforms	☐	☐	☐	☐
Demands				
5-day BOD	☐	☐	☐	☐
Carbonaceous BOD (CBOD)	☐	☐	☐	☐
Chemical oxygen demand (COD)	☐	☐	☐	☐
Total organic carbon (TOC)	☐	☐	☐	☐
Minerals				
Alkalinity, total (CaCO3)	☐	☐	☐	☐
Chloride	☐	☐	☐	☐
Fluoride	☐	☐	☐	☐
Hardness, total (CaCO3)	☐	☐	☐	☐
Specific conductance (25°C)	☐	☐	☐	☐
Sulfate	☐	☐	☐	☐
Total Dissolved Solids at 180°C (TDS)	☐	☐	☐	☐
Nutrients				
Ammonia as N	☐	☐	☐	☐
Kjeldahl nitrogen, total (TKN)	☐	☐	☐	☐
Nitrate as N	☐	☐	☐	☐
Nitrite as N	☐	☐	☐	☐
Orthophosphate as P	☐	☐	☐	☐
Phosphorus, total	☐	☐	☐	☐
Miscellaneous Analytes				
Low Level TRC	☐	☐	☐	☐
n-Hexane Extractable Material (O&G)	☐	☐	☐	☐
pH	☐	☐	☐	☐
Settleable solids	☐	☐	☐	☐
Silica Gel Treated n-Hexane Extractable Material (Non-polar Material)	☐	☐	☐	☐
Sulfuric acid mist, sulfur dioxide	☐	☐	☐	☐
Total cyanide	☐	☐	☐	☐
Total phenolics	☐	☐	☐	☐
Total residual chlorine	☐	☐	☐	☐
Total Suspended Solids, Non-Filterable Residue (TSS)	☐	☐	☐	☐
Turbidity	☐	☐	☐	☐

Name _____ Signature _____ Date _____

*See NPDES Permittee Instructions (Step 8) on page 5.

Use a separate checklist for EACH lab used

Permitee: **VEOLIA WATER NORTH AMERICAN** State **CT** Permit No.:**CT0100641** EPA Lab code:**CT01041**

WET Organisms/Test Conditions/End Points Checklist

DMR-QA Study 34

Analyte Number	Organisms/Conditions	End Points	Test Required	Laboratory's Graded Result		Analyte determined by state-certified laboratory*
				Acceptable	Not Acceptable (Corrective Action Required)	
Test Code 13 / EPA Method 2000						
754	Fathead Minnow Acute MHSF 25°	LC50	■	■	☐	☐
Test Code 14 / EPA Method 2000						
755	Fathead Minnow Acute 20% DMW 25°	LC50	☐	☐	☐	☐
Test Code 15 / EPA Method 1000						
756	Fathead Minnow Chronic MHSF	Survival NOEC	■	■	☐	☐
808	Fathead Minnow Chronic MHSF	Growth IC25 (ON)	■	■	☐	☐
809	Fathead Minnow Chronic MHSF	Growth IC25 (SN)	☐	☐	☐	☐
810	Fathead Minnow Chronic MHSF	Growth NOEC (ON)	■	■	☐	☐
811	Fathead Minnow Chronic MHSF	Growth NOEC (SN)	☐	☐	☐	☐
Test Code 16 / EPA Method 1000						
759	Fathead Minnow Chronic 20% DMV	Survival NOEC	☐	☐	☐	☐
812	Fathead Minnow Chronic 20 % DMV	Growth IC (ON)	☐	☐	☐	☐
813	Fathead Minnow Chronic 20% DMV	Growth IC (SN)	☐	☐	☐	☐
814	Fathead Minnow Chronic 20% DMV	Growth NOEC (ON)	☐	☐	☐	☐
815	Fathead Minnow Chronic 20% DMV	Growth (SN)	☐	☐	☐	☐
Test Code 19 / EPA Method 2002						
764	Ceriodaphnia Acute MHSF 25°	LC50	■	■	☐	☐
Test Code 20 / EPA Method 2002						
765	Ceriodaphnia Acute 20% DMW 25°	LC50	☐	☐	☐	☐
Test Code 21 / EPA Method 1002						
766	Ceriodaphnia Chronic MHSF	Survival NOEC	■	■	☐	☐
767	Ceriodaphnia Chronic MHSF	Reproduction IC25	■	■	☐	☐
768	Ceriodaphnia Chronic MHSF	Reproduction NOEC	■	■	☐	☐
Test Code 22 / EPA Method 1002						
769	Ceriodaphnia Chronic 20% DMW	Survival NOEC	☐	☐	☐	☐
770	Ceriodaphnia Chronic 20% DMW	Reproduction IC25	☐	☐	☐	☐
771	Ceriodaphnia Chronic 20% DMW	Reproduction NOEC	☐	☐	☐	☐
Test Code 32 / EPA Method 2021						
788	Daphnia Magna Acute MHSF 25°	LC50	☐	☐	☐	☐
Test Code 38 / EPA Method 2021						
794	Daphnia Pulex MHSF 25°	LC50	■	■	☐	☐
Test Code 42 / EPA Method 2007						
798	Mysid Acute 40 F 25°	LC50	☐	☐	☐	☐
Test Code 43 / EPA Method 1007						
799	Mysid Chronic 40 F Survival NOEC	LC50	☐	☐	☐	☐
816	Mysid Chronic 40 F Growth IC25 (ON)	Growth (SN)	☐	☐	☐	☐
817	Mysid Chronic 40 F Growth IC25 (SN)	Growth (SN)	☐	☐	☐	☐
818	Mysid Chronic 40 F Growth NOEC (ON)	Growth (SN)	☐	☐	☐	☐
819	Mysid Chronic 40 F Growth NOEC (SN)	Growth (SN)	☐	☐	☐	☐
Test Code 44 / EPA Method 2006						
803	Menidia Acute 40 F 25°	LC50	☐	☐	☐	☐
Test Code 45 / EPA Method 1006						
824	Inland silverside (Menidia berylina) NOEC SURVIVAL	Growth NOEC (SN)	☐	☐	☐	☐
825	Inland silverside (Menidia berylina) IC25 (ON) GRO	Growth NOEC (SN)	☐	☐	☐	☐
826	Inland silverside (Menidia berylina) NOEC (ON) GRO	Growth NOEC (SN)	☐	☐	☐	☐
Test Code 46 / EPA Method 2004						
804	Sheepshead Minnow Acute 40 F 25°	LC50	☐	☐	☐	☐
Test Code 47 / EPA Method 1004						
805	Sheepshead Minnow Chronic 40 F	Survival NOEC	☐	☐	☐	☐
820	Sheepshead Minnow Chronic 40 F	Growth IC25 (ON)	☐	☐	☐	☐
821	Sheepshead Minnow Chronic 40 F	Growth IC25 (SN)	☐	☐	☐	☐
822	Sheepshead Minnow Chronic 40 F	Growth NOEC (ON)	☐	☐	☐	☐
823	Sheepshead Minnow Chronic 40 F	Growth NOEC (SN)	☐	☐	☐	☐

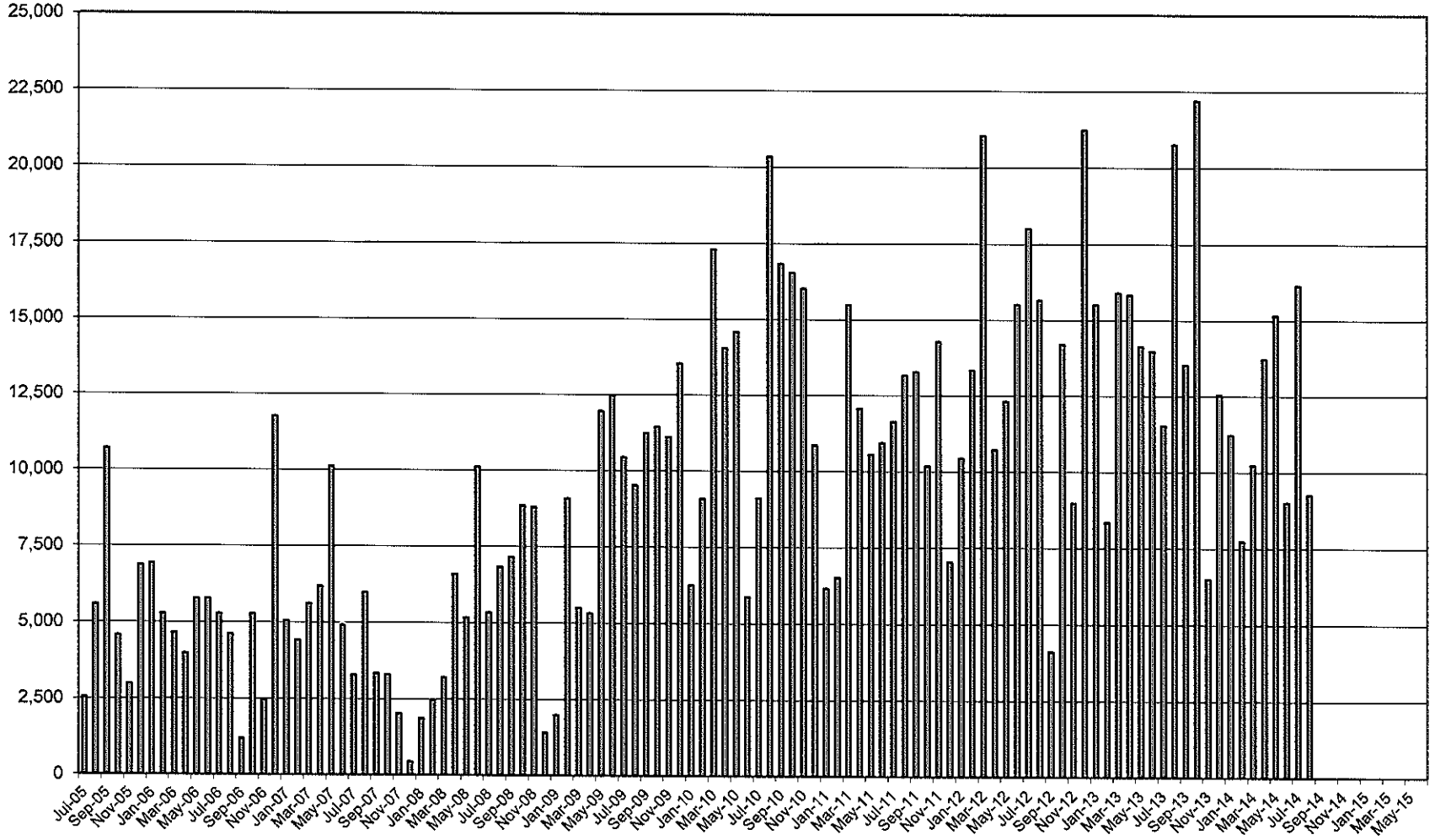
Name _____ Signature Date _____

*See NPDES Permittee Instructions (Step 8) on page 5.

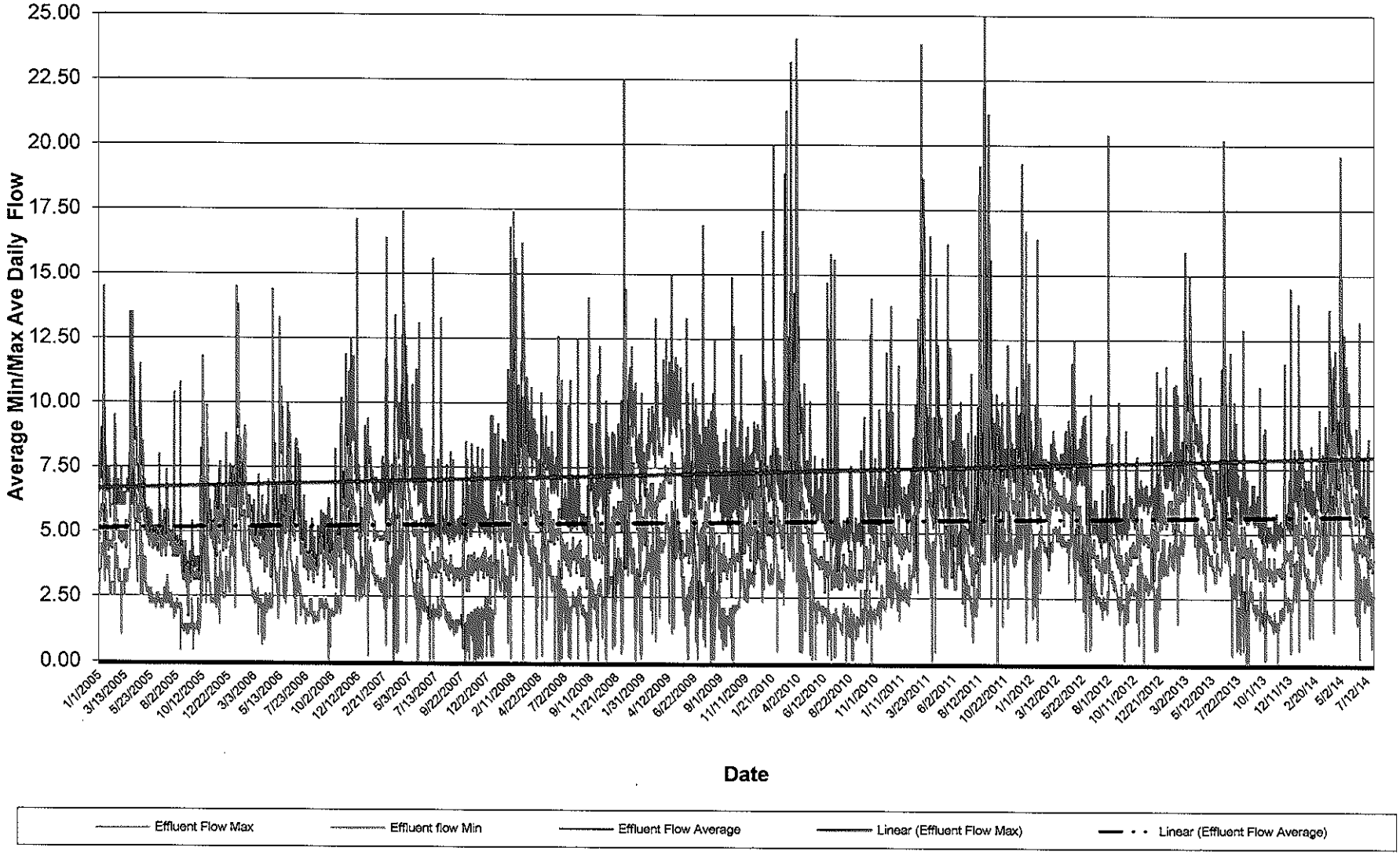
Use a separate checklist for EACH lab used

Total Feet

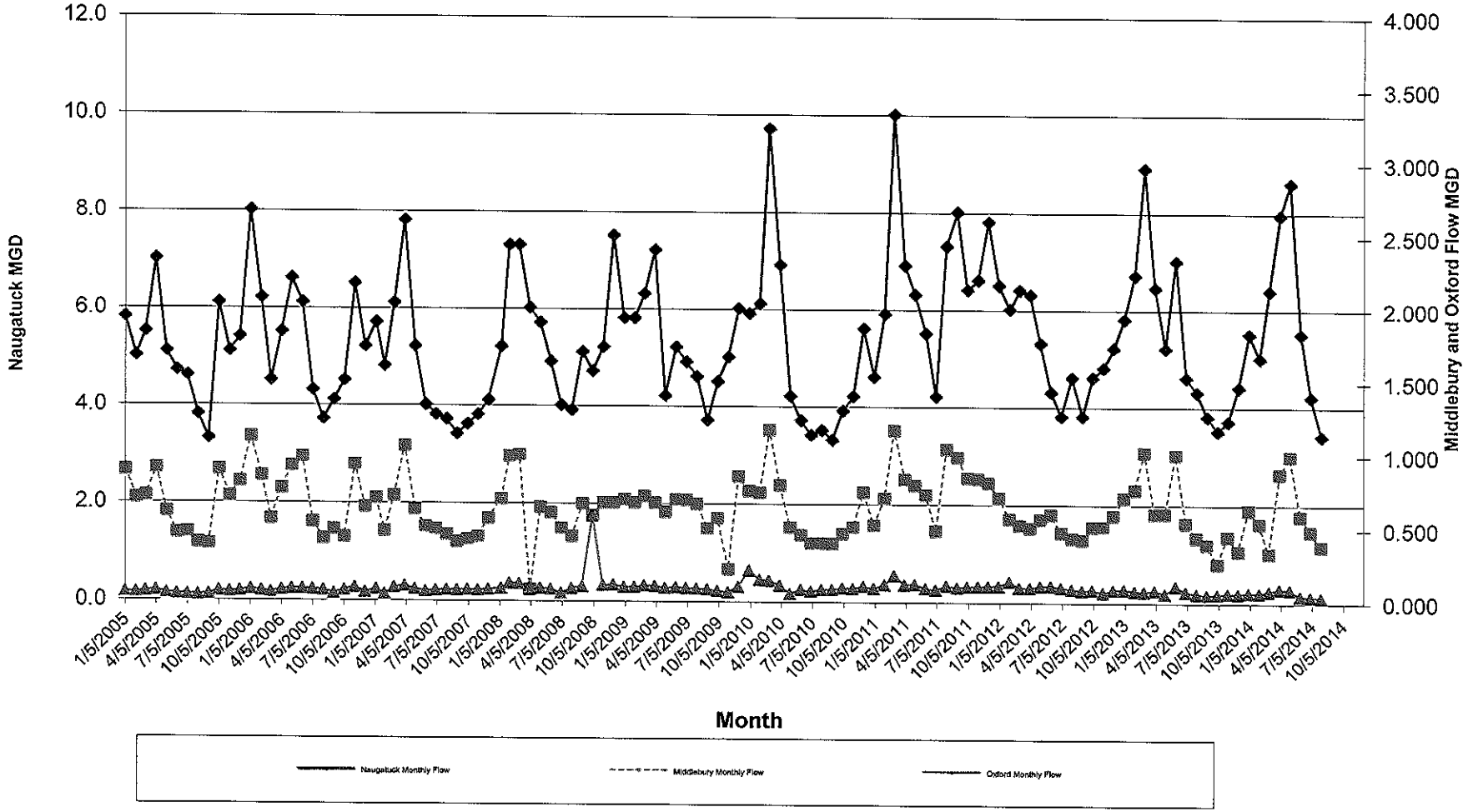
Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present



Naugatuck WPCF Daily Min/Max/Total Flow Data
2005 to Present



Naugatuck, Middlebury and Oxford
2005 to Present
Monthly Average Flows



ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 8/22/14 TIME: 6:14 pm

CALL TAKEN BY: J Babcock - 8 21 call, hot line & M. Farish call.

NAME OF COMPLAINTANT: Manny Tavares PHONE NUMBER: 203-729-0447

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED:
42 Gunntown Rd - pump station in area

STRENGTH OF ODOR: FAINT ___ NOTICABLE ___ DEFINITE ___ STRONG ✓ OVERWHELMING ___

DESCRIPTION OF ODOR: AMMONIA ___ CABBAGE ___ FECAL ___ FISHY ___ GARLIC ___ MEDICINAL ___ ROTTEN EGGS ___ SKUNKY ___ SOLVENT/FUEL ___ OTHER ___

DOES THE CALLER WANT A FOLLOW-UP CALL? YES ___ NO ___

DON'T FORGET TO THANK THE CALLER FOR THEIR CONCERN!!

says every day smells worse - in that area

ODOR INVESTIGATION: - not at the WWTP -

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: N NW WIND SPEED: 1-4 MPH WEATHER: TEMP 70° RAIN — HUMID — DRY — UNSEASONABLY WARM/COLD ___

COMPLETE PLANT SURVEY LISTING POSSIBLE SOURCES OF ODORS CONTRIBUTING TO THE COMPLAINT:

No plant odors - caller was upwind of the plant. Wind was N/NW thus impossible for plant odors to be a source.

ODOR CONTROL EQUIPMENT STATUS: - all completely functional.

PRIMARY SCRUBBER: ON ___ OFF ___ PH ___ ORP ___ MAKE UP WATER: 0.5-1 GPM ___ SPRAYS ___

FILTER BLDG SCRUBBER: ON ___ OFF ___ PH ___ ORP ___ MAKE UP WATER: 1-3 GPM ___ SPRAYS ___

PERMANGANATE FEEDERS:

AERATION: ON ___ OFF ___ VERIFIED OPERATIONAL: YES ___ NO ___

SLUDGE STORAGE: ON ___ OFF ___ VERIFIED OPERATIONAL: YES ___ NO ___

ODOR COUNTERACTANT SYSTEM: ON ___ OFF ___ VERIFIED OPERATIONAL: YES ___ SPRAYS ___

COMPLAINT REVIEWED BY: ___ DATE: ___ TIME: ___

RETURN CALL MADE BY: 8-25-14 DATE: ___ TIME: ___

RETURN CALL RESULTS: - Emails - please see attachments.

Basically 2 confirming visits that source of odors was from Oxford sewer line along the Bridle trail.

Aug 25, Chris & Mike met Scott at Oxford sewers - We offered a pail of $KMnO_4$ for odor control, checked for odors, found none! They are not able to feed the $KMnO_4$ in their pump station.

VEOLIA

Batorski, John <john.batorski@veolia.com>

Fwd: Gun Town Rd Odors

1 message

Batorski, John <john.batorski@veolia.com> 25 August 2014 07:57
To: Jim Stewart <jstewart@naugatuck-ct.gov>, Christopher Makuch <christopher.makuch@veolia.com>

Hello Jim,
I spoke to Manny Tavares last week regrading the odors in that area. We have confirmed the source of the odors is from the Oxford sewer. Last Friday evening, Manny called our Collections person, Mike Forish who called Chris Makuch (Asst Plant Manager) regarding the same odors. Chris and Mike went again last Friday evening to confirm again the odors near Manny's home are the result of odors in the Oxford sewer.
As you may recall we had a similar issue a few years ago in that area as odors were detected along the Bridle trail. The source of the odors at that time was the vents on the sewer.
We cannot really do anything regarding those odors as the source is in Oxford. Perhaps Oxford can adjust their floats in the pump station to try and solve their odor problem. I am open to discussing the issue with them and try to solve the problem.
Please let know how best we can work together to solve this issue.

Thank you,

John Batorski
Plant Manager - Northeast LLC
Municipal & Commercial Business
VEOLIA NORTH AMERICA

tel +1 203 723 1433 / cell +1 203 509 6010
500 Cherry Street / Naugatuck, CT 06770
John.Batorski@veolia.com
www.veolianorthamerica.com

Resourcing the world VEOLIA

-------- Forwarded message --------
From: **Makuch, Christopher** <christopher.makuch@veolia.com>
Date: 23 August 2014 08:51
Subject: Gun Town Rd Odors
To: John Batorski <john.batorski@veolia.com>

Good morning John,

Last night around 7:30 pm Mike Forish called me due to a high volume of odor complaints passed on to him by Manny. Mike wasn't sure what he was supposed to do. I decided to meet Mike at the plant and see for myself what is going on. This odor is intermittent and seems to be coming from the Oxford line. I found nothing out of the ordinary on Guntown Rd and it's vicinity. Mike than took me to what he believes is the last manhole in Oxford before the line follows the old Railroad tressel. The odors from the manhole were noticable as soon as it was

opened. Flow was 20 to 30 gpm and attached pics show H2S levels which are extremely high for flowing water from a small community at this time of night. There is a small industrial park in the area. I think this ia the source of our Guntown issues but since it is not Naugatuck I am not sure what the next step would be to take.

Chris

–

Christopher Makuch
Assistant Plant Manager - Northeast LLC
Municipal & Commercial Business
VEOLIA NORTH AMERICA

tel +1 203 723 1433 / cell +1 203 509 4740
500 Cherry Street Ext./ Naugatuck,Ct. 06770
christopher.makuch@veolia.com
www.veolianorthamerica.com

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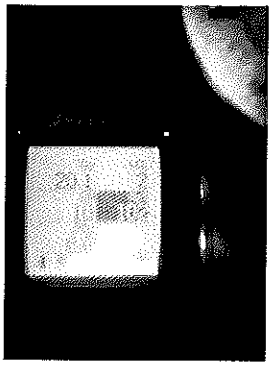
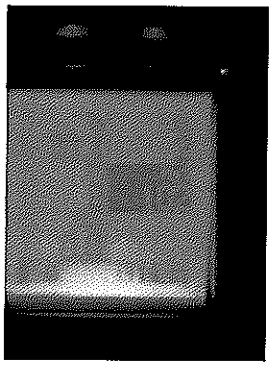
3 attachments



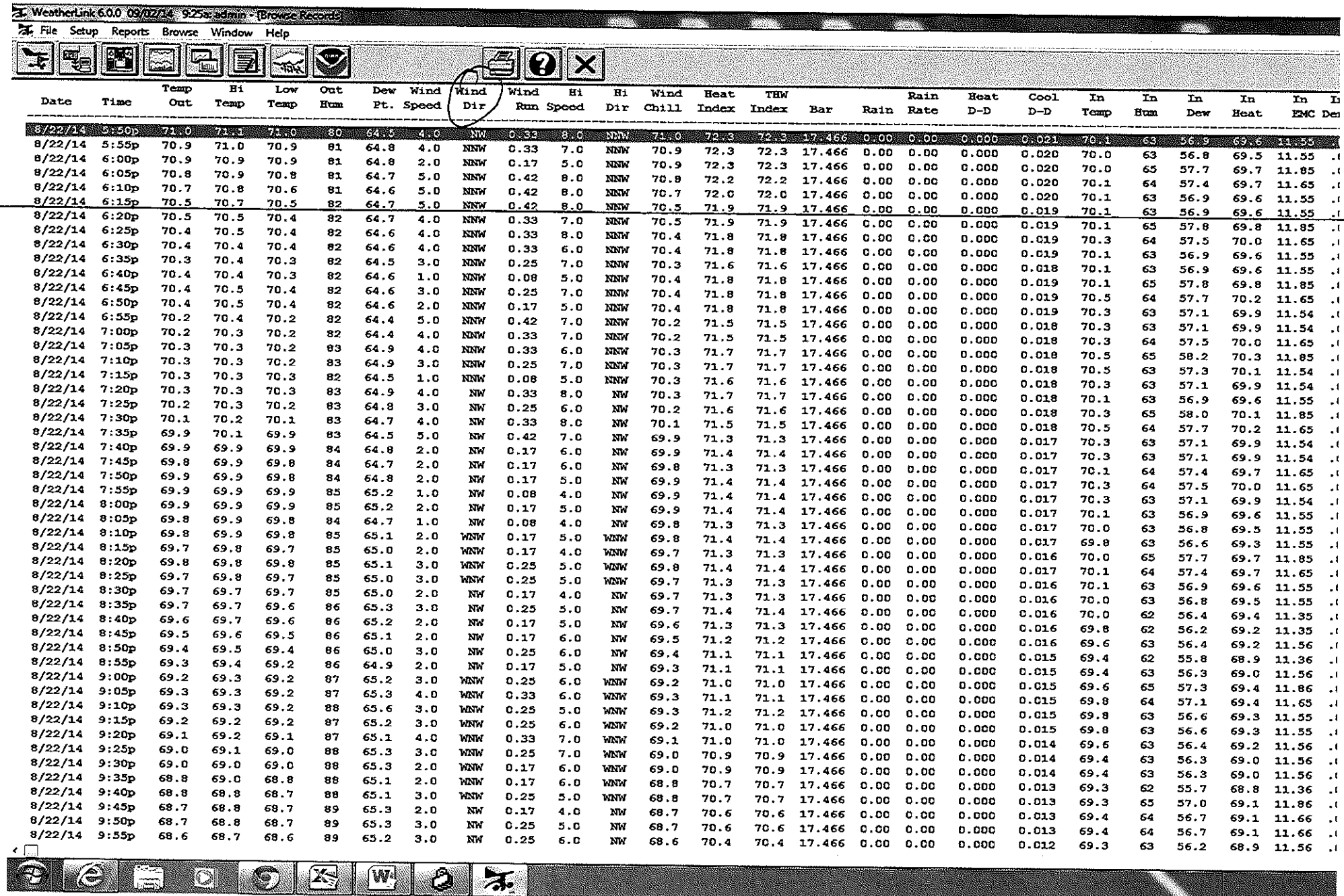
Oxford MH reading.jpg
883K

102 ppm of H_2S



Oxford MH readings 8-22.jpg
824K

Oxford MH.jpg
1093K



Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Heat	In EMC	In Dew
8/22/14	5:50p	71.0	71.1	71.0	80	64.5	4.0	NW	0.33	8.0	NNW	71.0	72.3	72.3	17.466	0.00	0.00	0.000	0.021	70.1	63	56.9	69.6	11.55	.
8/22/14	5:55p	70.9	71.0	70.9	81	64.8	4.0	NNW	0.33	7.0	NNW	70.9	72.3	72.3	17.466	0.00	0.00	0.000	0.020	70.0	63	56.8	69.5	11.55	.
8/22/14	6:00p	70.9	70.9	70.9	81	64.8	2.0	NNW	0.17	5.0	NNW	70.9	72.3	72.3	17.466	0.00	0.00	0.000	0.020	70.0	65	57.7	69.7	11.85	.
8/22/14	6:05p	70.8	70.9	70.8	81	64.7	5.0	NNW	0.42	8.0	NNW	70.8	72.2	72.2	17.466	0.00	0.00	0.000	0.020	70.1	64	57.4	69.7	11.65	.
8/22/14	6:10p	70.7	70.8	70.6	81	64.6	5.0	NNW	0.42	8.0	NNW	70.7	72.0	72.0	17.466	0.00	0.00	0.000	0.020	70.1	63	56.9	69.6	11.55	.
8/22/14	6:15p	70.5	70.7	70.5	82	64.7	5.0	NNW	0.42	8.0	NNW	70.5	71.9	71.9	17.466	0.00	0.00	0.000	0.019	70.1	63	56.9	69.6	11.55	.
8/22/14	6:20p	70.5	70.5	70.4	82	64.7	4.0	NNW	0.33	7.0	NNW	70.5	71.9	71.9	17.466	0.00	0.00	0.000	0.019	70.1	65	57.8	69.8	11.85	.
8/22/14	6:25p	70.4	70.5	70.4	82	64.6	4.0	NNW	0.33	8.0	NNW	70.4	71.8	71.8	17.466	0.00	0.00	0.000	0.019	70.3	64	57.5	70.0	11.65	.
8/22/14	6:30p	70.4	70.4	70.4	82	64.6	4.0	NNW	0.33	6.0	NNW	70.4	71.8	71.8	17.466	0.00	0.00	0.000	0.019	70.1	63	56.9	69.6	11.55	.
8/22/14	6:35p	70.3	70.4	70.3	82	64.5	3.0	NNW	0.25	7.0	NNW	70.3	71.6	71.6	17.466	0.00	0.00	0.000	0.018	70.1	63	56.9	69.6	11.55	.
8/22/14	6:40p	70.4	70.4	70.3	82	64.6	1.0	NNW	0.08	5.0	NNW	70.4	71.8	71.8	17.466	0.00	0.00	0.000	0.019	70.1	65	57.8	69.8	11.85	.
8/22/14	6:45p	70.4	70.5	70.4	82	64.6	3.0	NNW	0.25	7.0	NNW	70.4	71.8	71.8	17.466	0.00	0.00	0.000	0.019	70.5	64	57.7	70.2	11.65	.
8/22/14	6:50p	70.4	70.5	70.4	82	64.6	2.0	NNW	0.17	5.0	NNW	70.4	71.8	71.8	17.466	0.00	0.00	0.000	0.019	70.3	63	57.1	69.9	11.54	.
8/22/14	6:55p	70.2	70.4	70.2	82	64.4	5.0	NNW	0.42	7.0	NNW	70.2	71.5	71.5	17.466	0.00	0.00	0.000	0.018	70.3	63	57.1	69.9	11.54	.
8/22/14	7:00p	70.2	70.3	70.2	82	64.4	4.0	NNW	0.33	7.0	NNW	70.2	71.5	71.5	17.466	0.00	0.00	0.000	0.018	70.3	64	57.5	70.0	11.65	.
8/22/14	7:05p	70.3	70.3	70.2	83	64.9	4.0	NNW	0.33	6.0	NNW	70.3	71.7	71.7	17.466	0.00	0.00	0.000	0.018	70.5	65	58.2	70.3	11.85	.
8/22/14	7:10p	70.3	70.3	70.2	83	64.9	3.0	NNW	0.25	7.0	NNW	70.3	71.7	71.7	17.466	0.00	0.00	0.000	0.018	70.5	63	57.3	70.1	11.54	.
8/22/14	7:15p	70.3	70.3	70.3	82	64.5	1.0	NNW	0.08	5.0	NNW	70.3	71.6	71.6	17.466	0.00	0.00	0.000	0.018	70.3	63	57.1	69.9	11.54	.
8/22/14	7:20p	70.3	70.3	70.3	83	64.9	4.0	NW	0.33	8.0	NW	70.3	71.7	71.7	17.466	0.00	0.00	0.000	0.018	70.1	63	56.9	69.6	11.55	.
8/22/14	7:25p	70.2	70.3	70.2	83	64.8	3.0	NW	0.25	6.0	NW	70.2	71.6	71.6	17.466	0.00	0.00	0.000	0.018	70.3	65	58.0	70.1	11.85	.
8/22/14	7:30p	70.1	70.2	70.1	83	64.7	4.0	NW	0.33	8.0	NW	70.1	71.5	71.5	17.466	0.00	0.00	0.000	0.018	70.5	64	57.7	70.2	11.65	.
8/22/14	7:35p	69.9	70.1	69.9	83	64.5	5.0	NW	0.42	7.0	NW	69.9	71.3	71.3	17.466	0.00	0.00	0.000	0.017	70.3	63	57.1	69.9	11.54	.
8/22/14	7:40p	69.9	69.9	69.9	84	64.8	2.0	NW	0.17	6.0	NW	69.9	71.4	71.4	17.466	0.00	0.00	0.000	0.017	70.3	63	57.1	69.9	11.54	.
8/22/14	7:45p	69.8	69.9	69.8	84	64.7	2.0	NW	0.17	6.0	NW	69.8	71.3	71.3	17.466	0.00	0.00	0.000	0.017	70.1	64	57.4	69.7	11.65	.
8/22/14	7:50p	69.9	69.9	69.8	84	64.8	2.0	NW	0.17	5.0	NW	69.9	71.4	71.4	17.466	0.00	0.00	0.000	0.017	70.3	64	57.5	70.0	11.65	.
8/22/14	7:55p	69.9	69.9	69.9	85	65.2	1.0	NW	0.08	4.0	NW	69.9	71.4	71.4	17.466	0.00	0.00	0.000	0.017	70.3	63	57.1	69.9	11.54	.
8/22/14	8:00p	69.9	69.9	69.9	85	65.2	2.0	NW	0.17	5.0	NW	69.9	71.4	71.4	17.466	0.00	0.00	0.000	0.017	70.1	63	56.9	69.6	11.55	.
8/22/14	8:05p	69.8	69.9	69.8	84	64.7	1.0	NW	0.08	4.0	NW	69.8	71.3	71.3	17.466	0.00	0.00	0.000	0.017	70.0	63	56.8	69.5	11.55	.
8/22/14	8:10p	69.8	69.9	69.8	85	65.1	2.0	WNW	0.17	5.0	WNW	69.8	71.4	71.4	17.466	0.00	0.00	0.000	0.017	69.8	63	56.6	69.3	11.55	.
8/22/14	8:15p	69.7	69.8	69.7	85	65.0	2.0	WNW	0.17	4.0	WNW	69.7	71.3	71.3	17.466	0.00	0.00	0.000	0.016	70.0	65	57.7	69.7	11.85	.
8/22/14	8:20p	69.8	69.8	69.8	85	65.1	3.0	WNW	0.25	5.0	WNW	69.8	71.4	71.4	17.466	0.00	0.00	0.000	0.017	70.1	64	57.4	69.7	11.65	.
8/22/14	8:25p	69.7	69.8	69.7	85	65.0	3.0	WNW	0.25	5.0	WNW	69.7	71.3	71.3	17.466	0.00	0.00	0.000	0.016	70.1	63	56.9	69.6	11.55	.
8/22/14	8:30p	69.7	69.7	69.7	85	65.0	2.0	NW	0.17	4.0	NW	69.7	71.3	71.3	17.466	0.00	0.00	0.000	0.016	70.0	63	56.8	69.5	11.55	.
8/22/14	8:35p	69.7	69.7	69.6	86	65.3	3.0	NW	0.25	5.0	NW	69.7	71.4	71.4	17.466	0.00	0.00	0.000	0.016	70.0	62	56.4	69.4	11.35	.
8/22/14	8:40p	69.6	69.7	69.6	86	65.2	2.0	NW	0.17	5.0	NW	69.6	71.3	71.3	17.466	0.00	0.00	0.000	0.016	69.8	62	56.2	69.2	11.35	.
8/22/14	8:45p	69.5	69.6	69.5	86	65.1	2.0	NW	0.17	6.0	NW	69.5	71.2	71.2	17.466	0.00	0.00	0.000	0.016	69.6	63	56.4	69.2	11.56	.
8/22/14	8:50p	69.4	69.5	69.4	86	65.0	3.0	NW	0.25	6.0	NW	69.4	71.1	71.1	17.466	0.00	0.00	0.000	0.015	69.4	62	55.8	68.9	11.36	.
8/22/14	8:55p	69.3	69.4	69.2	86	64.9	2.0	NW	0.17	5.0	NW	69.3	71.1	71.1	17.466	0.00	0.00	0.000	0.015	69.4	63	56.3	69.0	11.56	.
8/22/14	9:00p	69.2	69.3	69.2	87	65.2	3.0	WNW	0.25	6.0	WNW	69.2	71.0	71.0	17.466	0.00	0.00	0.000	0.015	69.6	65	57.3	69.4	11.86	.
8/22/14	9:05p	69.3	69.3	69.2	87	65.3	4.0	WNW	0.33	6.0	WNW	69.3	71.1	71.1	17.466	0.00	0.00	0.000	0.015	69.8	64	57.1	69.4	11.65	.
8/22/14	9:10p	69.3	69.3	69.2	88	65.6	3.0	WNW	0.25	5.0	WNW	69.3	71.2	71.2	17.466	0.00	0.00	0.000	0.015	69.8	63	56.6	69.3	11.55	.
8/22/14	9:15p	69.2	69.2	69.2	87	65.2	3.0	WNW	0.25	6.0	WNW	69.2	71.0	71.0	17.466	0.00	0.00	0.000	0.015	69.8	63	56.6	69.3	11.55	.
8/22/14	9:20p	69.1	69.2	69.1	87	65.1	4.0	WNW	0.33	7.0	WNW	69.1	71.0	71.0	17.466	0.00	0.00	0.000	0.014	69.6	63	56.4	69.2	11.56	.
8/22/14	9:25p	69.0	69.1	69.0	88	65.3	3.0	WNW	0.25	7.0	WNW	69.0	70.9	70.9	17.466	0.00	0.00	0.000	0.014	69.4	63	56.3	69.0	11.56	.
8/22/14	9:30p	69.0	69.0	69.0	88	65.3	2.0	WNW	0.17	6.0	WNW	69.0	70.9	70.9	17.466	0.00	0.00	0.000	0.014	69.4	63	56.3	69.0	11.56	.
8/22/14	9:35p	68.8	69.0	68.8	88	65.1	2.0	WNW	0.17	6.0	WNW	68.8	70.7	70.7	17.466	0.00	0.00	0.000	0.013	69.3	62	55.7	68.8	11.36	.
8/22/14	9:40p	68.8	68.8	68.7	88	65.1	3.0	WNW	0.25	5.0	WNW	68.8	70.7	70.7	17.466	0.00	0.00	0.000	0.013	69.3	65	57.0	69.1	11.86	.
8/22/14	9:45p	68.7	68.8	68.7	89	65.3	2.0	NW	0.17	4.0	NW	68.7	70.6	70.6	17.466	0.00	0.00	0.000	0.013	69.4	64	56.7	69.1	11.66	.
8/22/14	9:50p	68.7	68.8	68.7	89	65.3	3.0	NW	0.25	5.0	NW	68.7	70.6	70.6	17.466	0.00	0.00	0.000	0.013	69.4	64	56.7	69.1	11.66	.
8/22/14	9:55p	68.6	68.7	68.6	89	65.2	3.0	NW	0.25	6.0	NW	68.6	70.4	70.4	17.466	0.00	0.00	0.000	0.012	69.3	63	56.2	68.9	11.56	.

occupy the office space above.

Candidate to open Rowland trial

Greenberg to testify on consultancy offer

BY PAUL HUGHES
REPUBLICAN-AMERICAN

NEW HAVEN — Congressional candidate Mark Greenberg of Litchfield will be the first government witness to testify when the trial of former Gov. John G. Rowland opens today.

Rowland has pleaded not guilty to a seven-count indictment accusing him of violating federal election laws and other offenses stemming from his alleged attempts to set up secret consultant roles on two congressional campaigns in 2010 and 2012.

As the government's lead-off witness, Greenberg is expected to relate to the 12-member jury how Rowland unsuccessfully proposed that Greenberg secretly pay him for consulting on his 2010 campaign for the Republican nomination for the 5th Congressional District.

The indictment also alleges Rowland successfully arranged to get paid through the same type of subterfuge to consult on Republican Lisa Wilson-Foley's 2012 campaign for the 5th District nomination. The government intends to call Avon businessman Brian Foley to lay out the illegal scheme that was allegedly used to pay Rowland for working on his wife's campaign and conceal the payments.

This is the meat of the government's case against Rowland. The government is intending to use Greenberg's testimony in part to show a pattern of deception on Rowland's behalf.

Greenberg is going to testify how Rowland proposed that Greenberg pay him for consulting on his 2010 campaign through a nonprofit animal shelter that Greenberg and his wife founded, the Simon Foundation.

Rowland

Greenberg

ARCHIVES

Rowland is denying the government's allegations concerning his contract offer to Greenberg, and his defense team intends to challenge Greenberg's recollections and general credibility.

See **TRIAL**, *Page* **5B**

State board to view Walsh reform plans

BY MICHAEL PUFFER
REPUBLICAN-AMERICAN

WATERBURY — Local officials will seek the blessing of the state Board of Education today for costly plans to reform the city's lowest performing elementary school.

Walsh Elementary School and Crosby High School were both enrolled in the state's new Commissioner's Network last year. The initiative provides funding and state oversight for locally created improvement plans costing millions. Plans must be approved by the state board.

City officials originally sought three-year approvals, but members of the state board saw too many unanswered questions. Walsh and Crosby were approved, with the condition that the plans be fleshed out with additional detail for review. Which leads to today's board meeting.

See **REFORM**, *Page* **5B**

Sewer bonding package doubles to $12.4 million

BY PAUL SINGLEY
REPUBLICAN-AMERICAN

NAUGATUCK — The amount of money taxpayers will be asked to approve for federally mandated upgrades to the Naugatuck sewage treatment facility in November just doubled.

The original amount officials said they would ask taxpayers to approve in a bonding package on the Nov. 4 election ballot was $6 million.

On Tuesday, the Board of Mayor and Burgesses decided to ask voters to approve a $12.4 million bonding package for the first phase of facility renovations. The board unanimously approved sending the project to a vote.

Yet whether borough voters approve it or not is a moot point.

The borough, which contracts with the private company Veolia Water North America to run its wastewater treatment facility, would receive a notice of violation of federal and state law if it doesn't complete the up-

See **SEWAGE**, *Page* **5B**

SEWAGE: $12.4 million is only the beginning

grades within five years and could lose its wastewater treatment discharge permit.

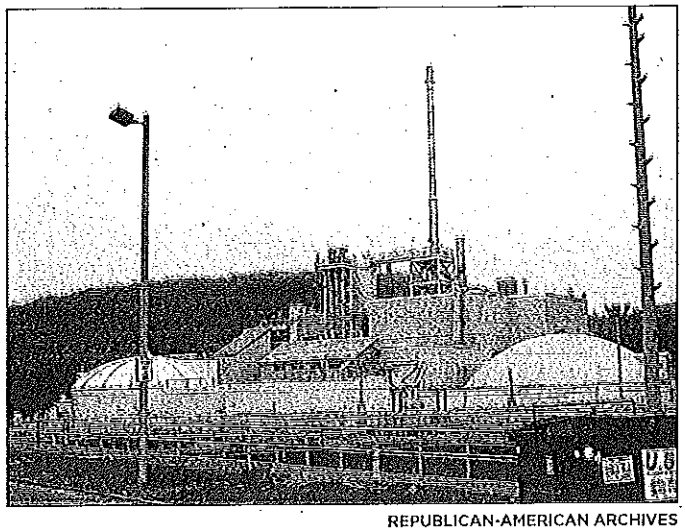
That means Naugatuck would likely have to make the upgrades anyway or shut down the plant, which it cannot do because the borough still needs to treat waste and it would violate the contract with Veolia and neighboring communities that pay Naugatuck to use the plant.

"There really is no way to avoid doing this unless someone wants to run for Congress," Mayor Robert A. Mezzo said, only half joking.

To compound matters for taxpayers, the $12.4 million figure is only a small fraction of the overall cost of upgrades needed to reduce the amount of pollutants the facility emits into the environment.

The total cost is expected to be about $85 million, Department of Public Works Director Jim Stewart said.

Naugatuck's share is about $55 million, while an estimated $10.7 million would come from Middlebury, which uses Naugatuck's facility, and an undetermined amount would come from Oxford, which also taps into the system. Naugatuck is also counting on an undetermined amount of grant reimbursement.



REPUBLICAN-AMERICAN ARCHIVES

Naugatuck's sewage treatment facility at 500 Cherry St. The facility needs about $85 million in upgrades over the next five years to meet federal guidelines.

The upgrades must be completed within five years for Naugatuck to be in compliance with federal regulations, which are overseen by the state Department of Energy and Environmental Protection.

The first phase of the project is for upgrades to the sewage sludge emissions process. Much of the money would go toward an emission control device on the exhaust and toward a new, larger air blower to help push clean air through the new exhaust system. Another $4 million will go toward replacing a wet odor control scrubber — the old one is about 35 years old and is past its life span, Stewart said.

The majority of the rest the money that Naugatuck will likely set aside over the next five years is to reduce the amount of phosphorous discharge from the plant. New EPA regulations state they must now be comparable to drinking water. Phosphorous is found in fertilizer, some laundry detergents and in dishwashing detergents. Too much phosphorous can trigger algae blooms, reducing the clarity of water.

In extreme cases, this can lead to depletion of oxygen and fish kills. Nutrient enrichment from nitrogen and phosphorous is one of the most pressing water quality issues in the nation, according to the EPA.

Contact Paul Singley at psingley@rep-am.com, on Facebook at RA Naugatuck or on Twitter @RANaugatuck.

MOTION: Phone recordings not available

part of a mountain of evidence against the two men who were arrested while fleeing the burning Petit home in a car stolen from the family.

Komisarjevsky's attorneys are arguing that the records "would have supported a defense theory at the guilty-innocence phase that the police response in this case was inadequate."

His defense purports that the phone records were never handed over to them during the trial, though they were handed over to the defense team of Hayes.

The recordings also include phone calls from an officer giving a description of the incident to his sergeant and a call from scene commander, then-Capt. Robert Vignola, as he arrived at the Petit house.

Other calls are with a hostage negotiator and a member of the SWAT team, who are told not to come to the police station. Another call is from an officer who "questioned whether Mrs. Petit was telling the truth when she said her family was being held hostage," according to the motion.

During the trial, officers including Vignola, now the department's deputy chief, described how they were not sure what was going on and that they were waiting outside for more officers to arrive before making contact with people inside the home.

No attempt was made to talk with Komisarjevsky and Hayes over a half-hour period during which the three Petit women were killed as police stood outside.

Some of the calls were made available to Komisarjevsky's defense in 2013, two years after his trial. Komisarjevsky's defense purports not all of the recordings have been made available.

Komisarjevsky, 34, is serving his sentence at Northern Correctional Institution in Somers.

TRIAL: Prosecution will open case today

Greenberg is this year's Republican nominee for the 5th District.

The Greenberg testimony will start to sketch the picture truthfully defending his arrangement with Rowland as legitimate and lawful until he changed his story under government pressure, pleaded federal grand jury.

"We believe his original statements are true. That is why it is a little weird," Weingarten said in one exchange.

The Foleys declined the original offer because of the potential backlash if Rowland were listed on the campaign payroll. The government al-

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